

Report Status: **Alert**

Account Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17006248060**
 Tested Lubricant: **DTE HEAVY MEDIUM**
 Sampled: **06 Jan 2017**
 Completed: **09 Jan 2017**

Equipment Information

Unit ID: **GA011**
 Description: **circ water pump (A)**
 Asset ID: **40481425**
 Asset Class: **Circulating System**
 Manufacturer: **CIRC WATER PUMP (A)**
 Model: **MOTOR BEARINGS**

Recommendation/Comments: ACTION REQUIRED - EXCESSIVE WATER CONTAMINATION. Determine source of water and take corrective action. Analyze the oil with an on-site water test if accessible. Possible sources of water include: a. Leaking seals; b. Condensation resulting from low operating temperatures or prolonged shutdowns; c. Compromised oil cooler; d. Direct exposure to atmosphere as a result of compromises to system components (i.e. improperly sealed tank fill access point). Remove water from oil using centrifuges or dehydration units, or drain the oil and recharge the system with new oil. Resample the system after corrective measures have been implemented. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Alert
Sample ID	15161349045	16166398072	17006248060
Tested Lubricant	MOBIL DTE OIL HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	10 Jun 2015	14 Jun 2016	06 Jan 2017
Completed	12 Jun 2015	15 Jun 2016	09 Jan 2017
Equipment Age			
Equipment UOM			
Oil Age			
Oil UOM			
Make-up Volume			
Volume UOM			
Oil Changed			
Filter Changed			

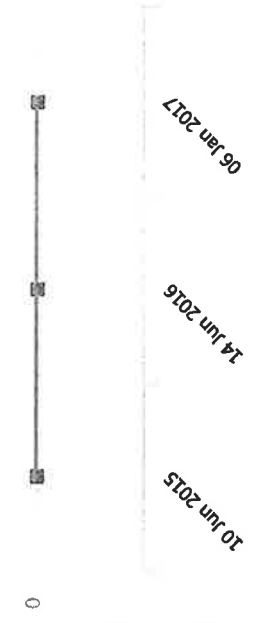
Viscosity



ALERT

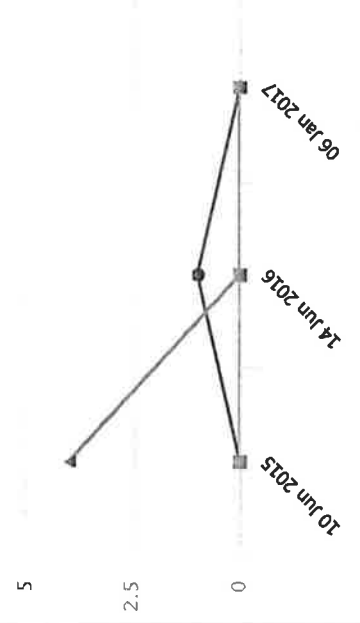
Oil Rating	Normal	Normal	Normal
Wear (ppm)	0	0	0
Contaminant (ppm)	65.2	64.6	65.0
Additive (ppm)	NotDetected	NotDetected	Detected
Al (Aluminum)	0	0	0
Cr (Chromium)	0	0	0
Cu (Copper)	0	0	0
Fe (Iron)	0	0	0
Mo (Molybdenum)	0	0	0
Ni (Nickel)	0	0	0
Pb (Lead)	0	0	0
Sn (Tin)	0	0	0
B (Boron)	4	0	0
K (Potassium)	0	0	0
Na (Sodium)	0	0	0
Si (Silicon)	0	1	0
Ba (Barium)	0	0	0
Ca (Calcium)	8	8	8
Mg (Magnesium)	2	2	2
P (Phosphorus)	153	147	147
Zn (Zinc)	110	108	105

- ◆ Sn (Tin)
- ◆ Pb (Lead)
- ◆ Ni (Nickel)
- ◆ Fe (Iron)
- ◆ Cu (Copper)
- ◆ Cr (Chromium)
- ◆ Al (Aluminum)



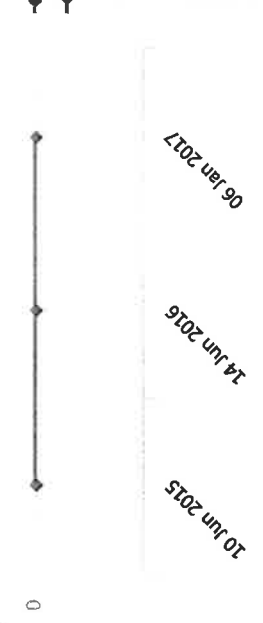
Contaminants

- ◆ Si (Silicon)
- ◆ K (Potassium)
- ◆ Na (Sodium)
- ◆ B (Boron)



Physical Properties

- ◆ Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



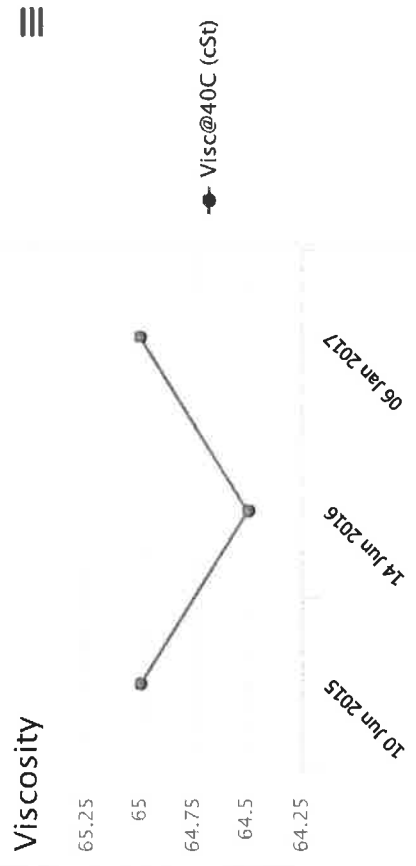
Account Information	Report Status: Normal
Sample Information	Equipment Information

Account Number: 318801	Unit ID: GA012
Account Name: Gainesville Renewable Energy Center / POWER HOUSE	Description: circ water pump (B)
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Asset ID: 40481429
Telephone: 386-315-8024	Asset Class: Circulating System
Parent Account: Gainesville Renewable Energy Center	Manufacturer: CIRC WATER PUMP (B)
	Model: MOTOR BEARINGS

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

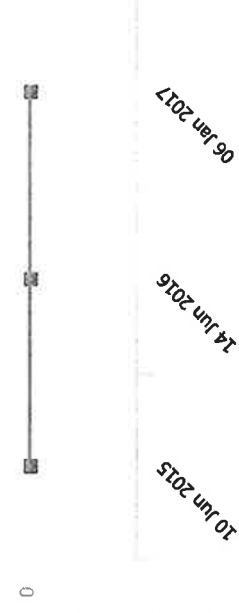
Report Status	Normal	Normal	Normal
Sample ID	15161145049	16166398060	17006248056
Tested Lubricant	MOBIL DTE OIL HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM
Sampled	10 Jun 2015	14 Jun 2016	06 Jan 2017
Completed	12 Jun 2015	15 Jun 2016	09 Jan 2017
Equipment Age			
Equipment UOM			
Oil Age			
Oil UOM			
Make-up Volume			
Volume UOM			
Oil Changed			
Filter Changed			
Contamination Rating	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal



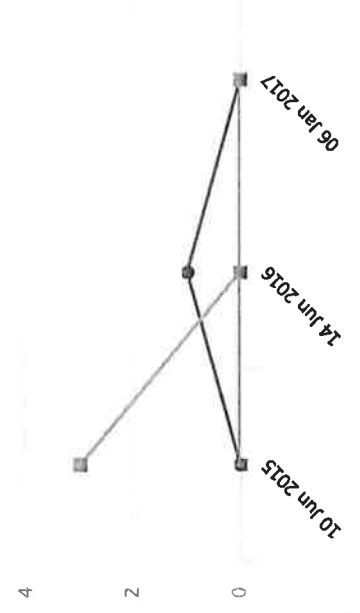
Sample Info

	Oxidation (Ab/cm)	0	0	0	0	
	isc@40C (cSt)	65.0	64.5	65.0	65.0	
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	
Wear (ppm)	Al (Aluminum)	0	0	0	0	
	Cr (Chromium)	0	0	0	0	
	Cu (Copper)	0	0	0	0	
	Fe (Iron)	0	0	0	0	
	Mo (Molybdenum)	0	0	0	0	
	Ni (Nickel)	0	0	0	0	
	Pb (Lead)	0	0	0	0	
	Sn (Tin)	0	0	0	0	
	B (Boron)	0	0	0	0	
	K (Potassium)	3	0	0	0	
Contaminant (ppm)	Na (Sodium)	3	0	0	0	
	Si (Silicon)	0	1	0	0	
	Ba (Barium)	0	0	0	0	
	Ca (Calcium)	10	9	7	7	
	Mg (Magnesium)	2	2	2	2	
	P (Phosphorus)	149	150	153	153	
	Zn (Zinc)	114	112	106	106	
	Additive (ppm)					

- ◆ Sn (Tin)
- ◆ Pb (Lead)
- ◆ Ni (Nickel)
- ◆ Fe (Iron)
- ◆ Cu (Copper)
- ◆ Cr (Chromium)
- ◆ Al (Aluminum)

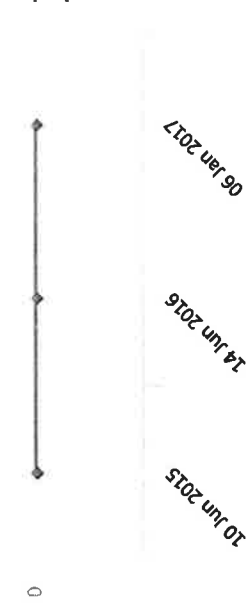


Contaminants



- ◆ Si (Silicon)
- ◆ K (Potassium)
- ◆ Na (Sodium)
- ◆ B (Boron)

Physical Properties



- ◆ Water (Hot Plate)
- ◆ Oxidation (Ab/cm)

Account Information		Sample Information		Equipment Information	
Account Number: 318801	Sample ID: 17006141016	Unit ID: GA013	Report Status: Normal		
Account Name: Gainesville Renewable Energy Center / POWER HOUSE	Tested Lubricant: MGEAR 600 XP 220	Description: feed bin gearbox (1)			
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Sampled: 06 Jan 2017	Asset ID: 40481463			
Telephone: 386-315-8024	Completed: 09 Jan 2017	Asset Class: Gear Drive			
Parent Account: Gainesville Renewable Energy Center		Manufacturer: EURODRIVE			
		Model: FEED BIN DRIVE (1)			

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230389055	15161312019	16166119071	17006141016	Normal
Tested Lubricant	MOBILGEAR 600 XP 220	MOBILGEAR 600 XP 220	MGEAR 600 XP 220	MGEAR 600 XP 220	Normal
Sampled	06 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017	Normal
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	09 Jan 2017	Normal
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal

Viscosity

● Visc@40C (cSt)

Date	Viscosity (cSt)
06 Aug 2014	215.5
10 Jun 2015	216.5
14 Jun 2016	215.5
06 Jan 2017	216.5

	1	1	1	1	1
Oxidation (Ab/cm)					
c@40C (CS)	214.7	216.3	214.6	215.9	NotDetected
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	28	23	23	21	21
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	0	0	0	0
B (Boron)	17	18	17	13	13
K (Potassium)	0	0	0	0	0
Na (Sodium)	0	0	1	0	0
Si (Silicon)	2	1	1	0	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	39	27	25	25	25
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	361	336	335	288	288
Zn (Zinc)	4	4	5	4	4

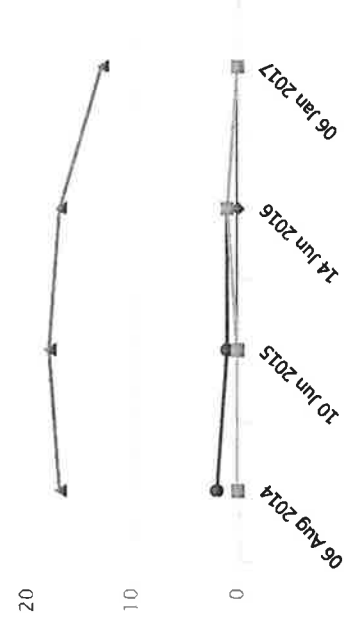
Wear (ppm)

Contaminant (ppm)

Additive (ppm)

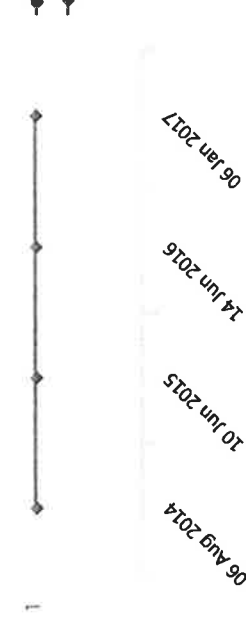
- Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▼ Fe (Iron)
- ◆ Cu (Copper)
- ◆ Cr (Chromium)
- ◆ Al (Aluminum)

Contaminants



- Si (Silicon)
- ◆ K (Potassium)
- ◆ Na (Sodium)
- ◆ B (Boron)

Physical Properties



- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)

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Lubricant Analysis

Account Information	Report Status: Normal	Equipment Information
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Account Number: 318801
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Telephone: 386-315-8024
 Parent Account: **Gainesville Renewable Energy Center**

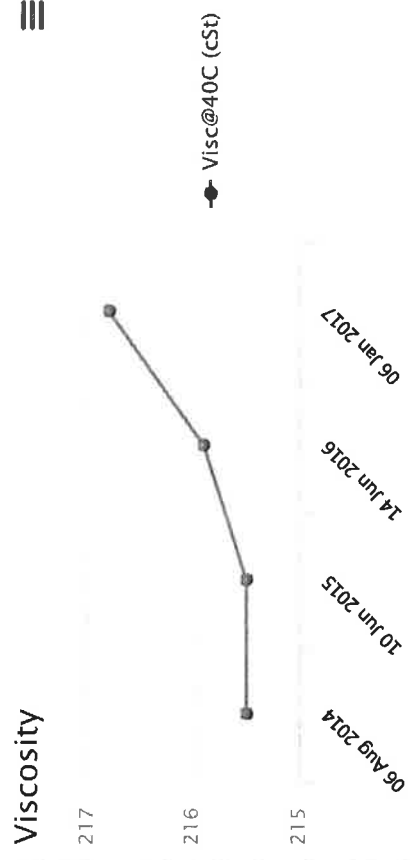
Sample ID: 17006141028
 Tested Lubricant: MGEAR 600 XP 220
 Sampled: 06 Jan 2017
 Completed: 09 Jan 2017

Unit ID: GA014
 Description: feed bin gear box (2)
 Asset ID: 40481467
 Asset Class: Gear Drive
 Manufacturer: EURODRIVE
 Model: FEED BIN DRIVE

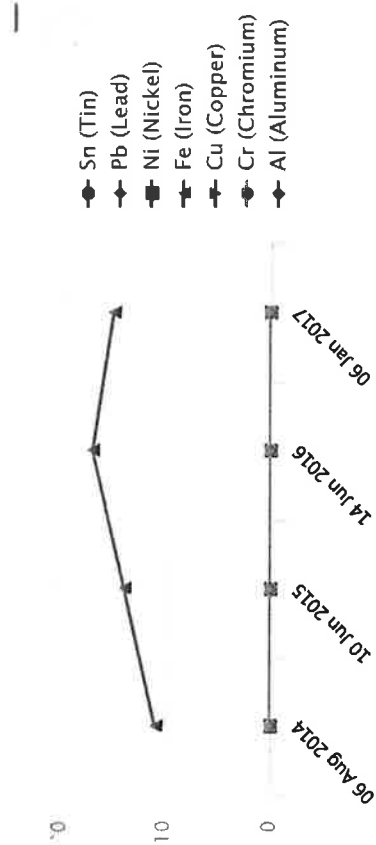
Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

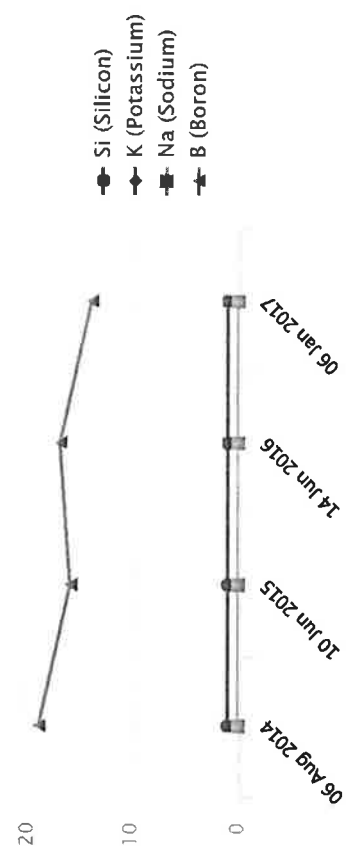
Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230389056	15161312044	16166119070	17006141028	Normal
Tested Lubricant	MOBILGEAR 600 XP 220	MOBILGEAR 600 XP 220	MGEAR 600 XP 220	MGEAR 600 XP 220	Normal
Sampled	06 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017	Normal
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	09 Jan 2017	Normal
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal



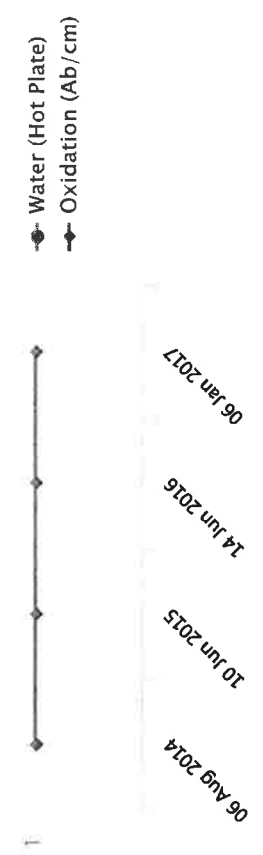
	06 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017
Wear (ppm)				
Oxidation (Ab/cm)	1	1	1	1
c@40C (cSt)	215.5	215.5	215.9	216.8
Water (Hot Plate)	Not Detected	Not Detected	Not Detected	Not Detected
Al (Aluminum)	0	0	0	0
Cr (Chromium)	0	0	0	0
Cu (Copper)	0	0	0	0
Fe (Iron)	11	14	17	15
Mo (Molybdenum)	1	1	2	1
Ni (Nickel)	0	0	0	0
Pb (Lead)	0	0	0	0
Sn (Tin)	0	0	0	0
B (Boron)	19	16	17	14
K (Potassium)	0	0	0	0
Na (Sodium)	0	0	0	0
Si (Silicon)	1	1	1	1
Ba (Barium)	0	0	0	0
Ca (Calcium)	33	36	35	34
Mg (Magnesium)	0	0	1	0
P (Phosphorus)	381	336	335	287
Zn (Zinc)	3	5	7	4



Contaminants



Physical Properties



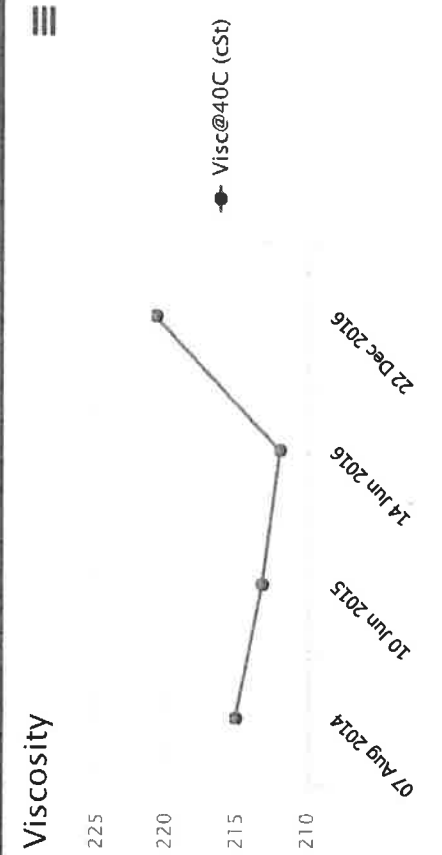
Account Number: 318800
 Account Name: Gainesville Renewable Energy Center / FUEL YARD
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Telephone: 386-315-8024
 Parent Account: Gainesville Renewable Energy Center

Sample ID: 16357183056 Unit Id: GA015
 Tested Lubricant: MOBIL SHC 630 Description: #10 belt gear box (1)
 Sampled: 22 Dec 2016 Asset ID: 40481471
 Completed: 23 Dec 2016 Asset Class: Gear Drive
 Manufacturer: DODGE
 Model: QUANTIS RIGHT ANGLE

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Alert	Normal	Normal	Normal	Normal
Sample ID	14230389061	15161312072	16166119072	16357183056	16357183056
Tested Lubricant	MOBILGEAR 600 XP 220	MOBIL SHC 630	MOBIL SHC 630	MOBIL SHC 630	MOBIL SHC 630
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016	22 Dec 2016
Completed	22 Aug 2014	13 Jun 2015	16 Jun 2016	23 Dec 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Alert	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal



Sample Info

Lubricant	1	0.65	1.08	0.71
Oxidation (Ab/cm)	1	0.65	1.08	0.71
TAN (mg KOH/g)	215.2	213.3	212.0	220.9
Visc@40C (cSt)	Detected	NotDetected	NotDetected	NotDetected
Water (Hot Plate)	1	1	1	0
Al (Aluminum)	0	0	0	0
Cr (Chromium)	0	0	0	0
Cu (Copper)	0	0	1	0
Fe (Iron)	66	45	54	6
Mo (Molybdenum)	0	0	0	0
Ni (Nickel)	0	0	0	0
Pb (Lead)	0	0	0	0
Sn (Tin)	0	0	0	0
B (Boron)	7	6	10	1
K (Potassium)	0	0	0	0
Na (Sodium)	0	0	1	0
Si (Silicon)	2	5	2	22
Ba (Barium)	1	0	0	0
Ca (Calcium)	3	0	2	0
Mg (Magnesium)	0	0	0	0
P (Phosphorus)	316	278	282	448
Zn (Zinc)	94	34	34	3

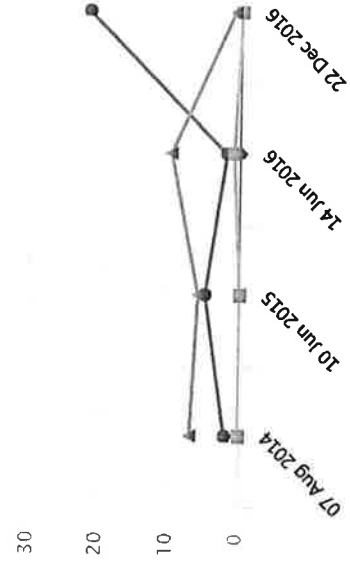
Wear (ppm)

Contaminant (ppm)

Additive (ppm)

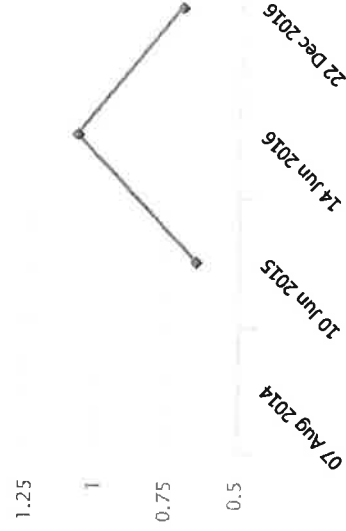
- Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▼ Fe (Iron)
- ◆ Cu (Copper)
- Cr (Chromium)
- ▲ Al (Aluminum)

Contaminants



- Si (Silicon)
- ▲ K (Potassium)
- Na (Sodium)
- ▼ B (Boron)

Physical Properties



- Water (Hot Plate)
- ▲ TAN (mg KOH/g)

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Lubricant Analysis

Account Information	Report Status: Normal
Sample Information	Equipment Information

Account Number: 318800
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Telephone: 386-315-8024
 Parent Account: **Gainesville Renewable Energy Center**

Sample ID: 16357183059 Unit Id: GA016
 Tested Lubricant: **MOBIL SHC 630** Description: **#10 belt gear box (2)**
 Sampled: 22 Dec 2016 Asset ID: 40481474
 Completed: 23 Dec 2016 Asset Class: **Gear Drive**
 Manufacturer: **DODGE**
 Model: **QUANTIS RIGHT ANGLE**

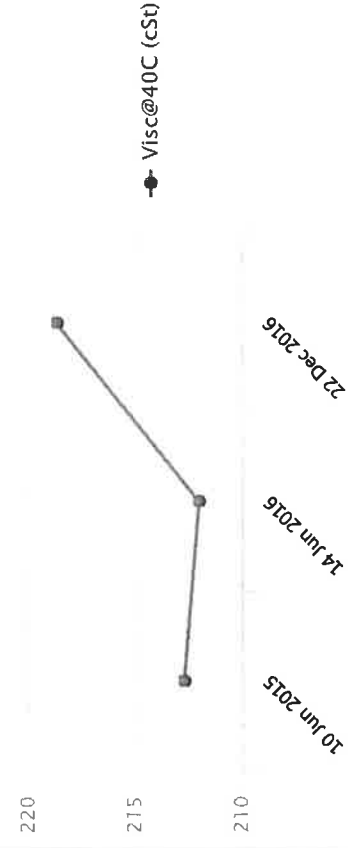
Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

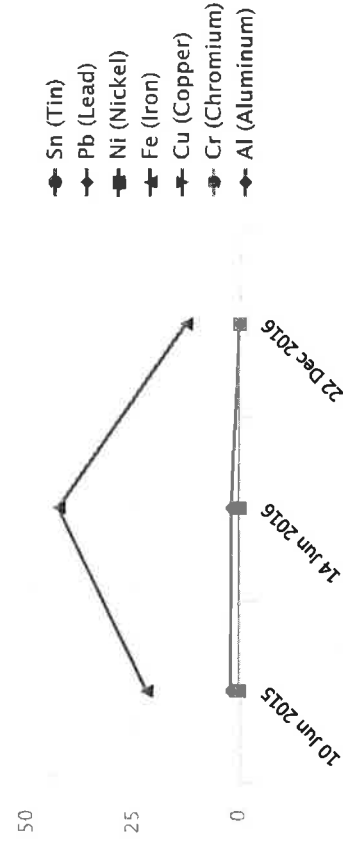
Report Status	Normal	Alert	Normal
Sample ID	15161312067	16166393002	16357183059
Tested Lubricant	MOBIL SHC 630	MOBIL SHC 630	MOBIL SHC 630
Sampled	10 Jun 2015	14 Jun 2016	22 Dec 2016
Completed	13 Jun 2015	16 Jun 2016	23 Dec 2016
Equipment Age			
Equipment UOM			
Oil Age			
Oil UOM			
Make-up Volume			
Volume UOM			
Oil Changed			
Filter Changed			
Contamination Rating	Normal	Alert	Normal
Equipment Rating	Normal	Normal	Normal

Sample Info

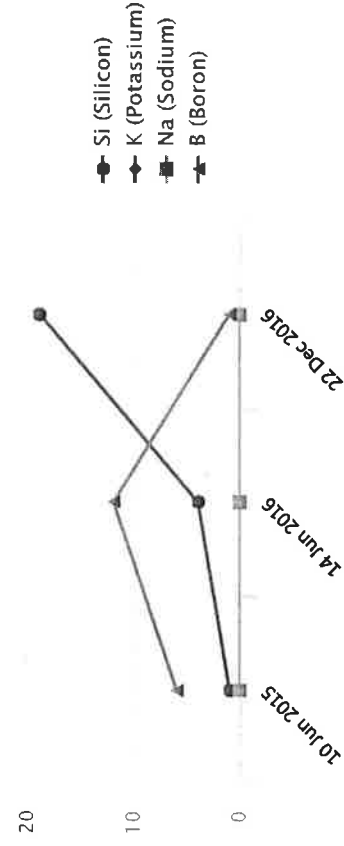
Viscosity



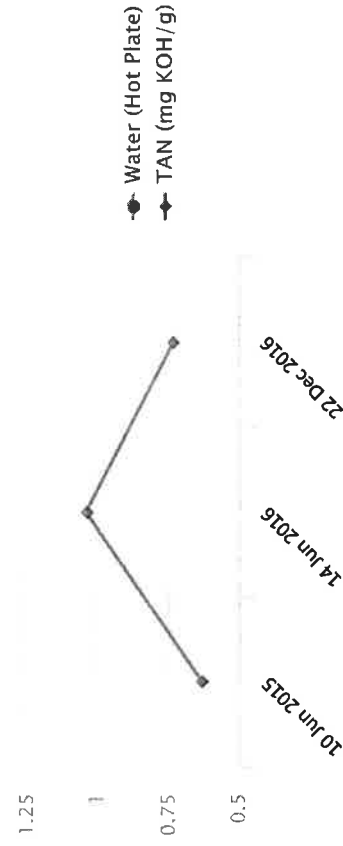
	Visc@40C (cSt)	212.7	212.0	218.7	
	Water (Hot Plate)	NotDetected	Detected	NotDetected	
Wear (ppm)	Al (Aluminum)	2	2	0	
	Cr (Chromium)	0	0	0	
	Cu (Copper)	0	0	0	
	Fe (Iron)	22	43	13	
	Mo (Molybdenum)	0	0	0	
	Ni (Nickel)	0	0	0	
	Pb (Lead)	0	0	0	
	Sn (Tin)	0	0	0	
	B (Boron)	6	12	1	
	K (Potassium)	0	0	0	
Contaminant (ppm)	Na (Sodium)	0	0	0	
	Si (Silicon)	1	4	19	
	Ba (Barium)	0	0	0	
	Ca (Calcium)	1	1	0	
	Mg (Magnesium)	0	0	0	
	P (Phosphorus)	309	260	426	
	Zn (Zinc)	30	35	5	
	Additive (ppm)				



Contaminants



Physical Properties

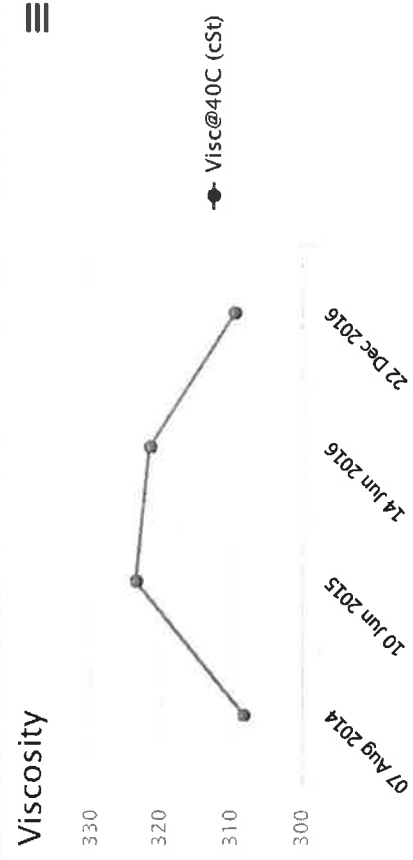


Report Status: Normal	
Account Information	Equipment Information
Account Number: 318800	Unit Id: GA017
Account Name: Gainesville Renewable Energy Center / FUEL YARD	Description: #9 belt gear box (1)
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Asset ID: 40481476
Telephone: 386-315-8024	Asset Class: Gear Drive
Parent Account: Gainesville Renewable Energy Center	Manufacturer: DODGE
	Model: MAGNAGEAR G210

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Alert	Normal	Alert	Normal	Normal
Sample ID	14230389058	15161312075	16166119077	16357183053	16357183053
Tested Lubricant	MOBILGEAR 600 XP 320	MOBIL SHC 632	MOBIL SHC 632	MOBIL SHC 632	MOBIL SHC 632
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016	22 Dec 2016
Completed	22 Aug 2014	13 Jun 2015	16 Jun 2016	23 Dec 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Alert	Normal	Alert	Normal	Normal
Equipment Rating	Alert	Normal	Alert	Normal	Normal



Sample Info

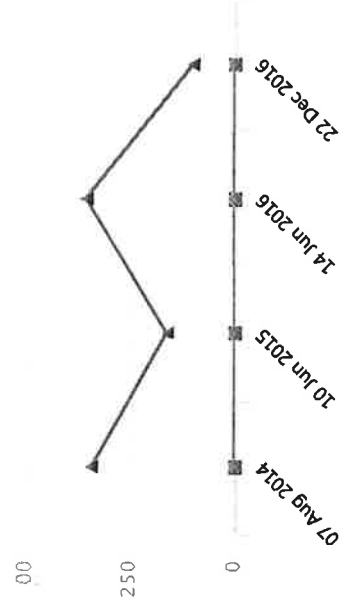
Lubricant	Oxidation (Ab/cm)	2	0.65	1.16	0.68
.AN (mg KOH/g)					
Visc@40C (cSt)	308.2	323.7	321.8	309.5	Not Detected
Water (Hot Plate)	Detected	Not Detected	Detected	Not Detected	Not Detected
Al (Aluminum)	0	0	1	0	0
Cr (Chromium)	1	0	1	0	0
Cu (Copper)	0	0	0	0	0
Fe (Iron)	345	165	359	100	100
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	1	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	0	0	0	0
B (Boron)	10	6	11	1	1
K (Potassium)	1	0	0	2	2
Na (Sodium)	0	0	1	1	1
Si (Silicon)	23	14	19	26	26
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	9	4	12	7	7
Mg (Magnesium)	1	1	5	1	1
P (Phosphorus)	297	281	252	381	381
Zn (Zinc)	26	13	12	6	6

Wear (ppm)

Contaminant (ppm)

Additive (ppm)

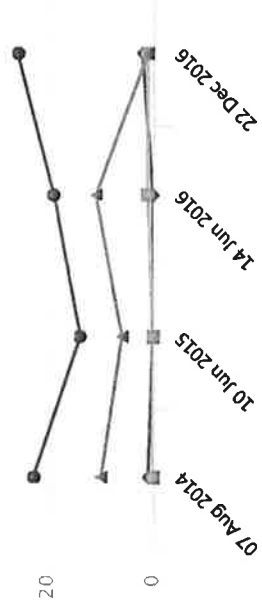
- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- Cr (Chromium)
- ◆ Al (Aluminum)



Contaminants

40

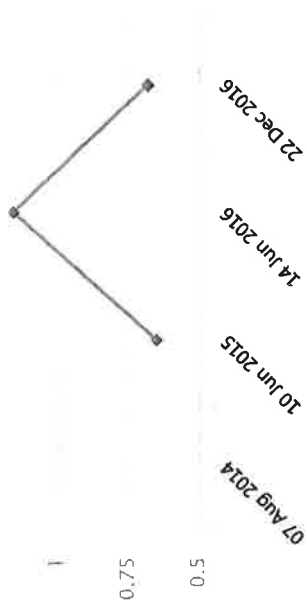
- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties

1.25

- Water (Hot Plate)
- ◆ TAN (mg KOH/g)



Account Information		Sample Information		Equipment Information	
Account Number: 318800	Account Name: Gainesville Renewable Energy Center / FUEL YARD	Sample ID: 16357183058	Unit Id: GA018	Report Status: Normal	
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Telephone: 386-315-8024	Tested Lubricant: MOBIL SHC 632	Description: #9 belt gear box (2)		
Parent Account: Gainesville Renewable Energy Center		Sampled: 22 Dec 2016	Asset ID: 40481480		
		Completed: 23 Dec 2016	Asset Class: Gear Drive		
			Manufacturer: DODGE		
			Model: MAGNAGEAR G210		

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Alert	Normal
Sample ID	14230390008	15161312073	16166393003	16357183058
Tested Lubricant	MOBILGEAR 600 XP 320	MOBIL SHC 632	MOBIL SHC 632	MOBIL SHC 632
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016
Completed	22 Aug 2014	13 Jun 2015	16 Jun 2016	23 Dec 2016
Equipment Age				
Equipment UOM				
Oil Age				
Oil UOM				
Make-up Volume				
Volume UOM				
Oil Changed				
Filter Changed				
Contamination Rating	Normal	Normal	Alert	Normal
Equipment Rating	Normal	Normal	Alert	Normal

Sample Info

Oil Age

Oil UOM

Make-up Volume

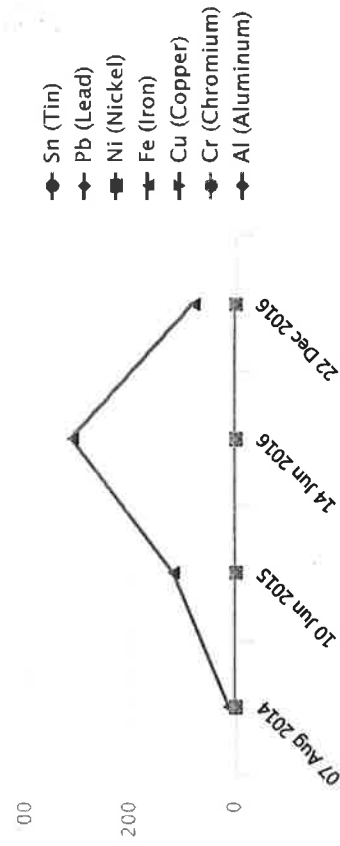
Volume UOM

Oil Changed

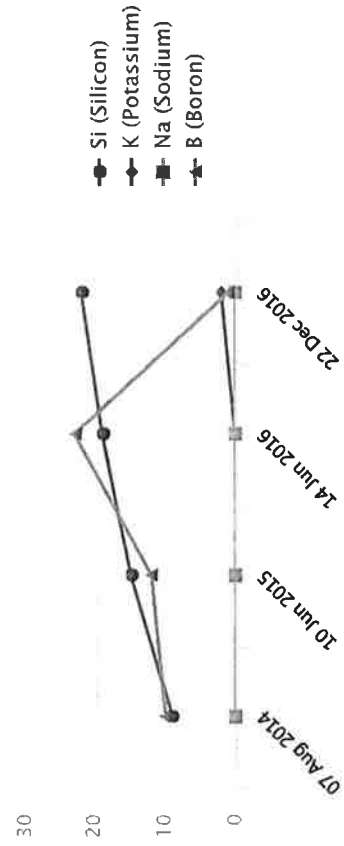
Filter Changed

Date	Viscosity (cSt)
07 Aug 2014	307.5
10 Jun 2015	310
14 Jun 2016	307.5
22 Dec 2016	312.5

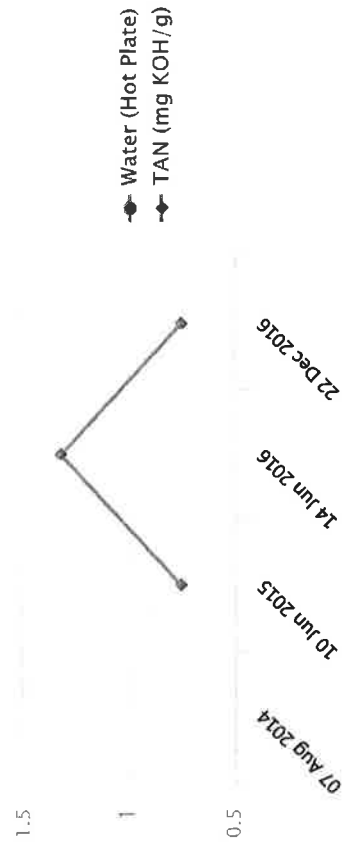
Lubricant	Oxidation (Ab/cm)	1	0.75	1.32	0.75	
	AN (mg KOH/g)		0.75	1.32	0.75	
	Visc@40C (cSt)	305.7	310.2	308.1	310.1	
	Water (Hot Plate)	NotDetected	NotDetected	Detected	NotDetected	
Wear (ppm)	Al (Aluminum)	0	0	0	0	
	Cr (Chromium)	0	0	1	0	
	Cu (Copper)	0	0	0	0	
	Fe (Iron)	12	121	514	82	
	Mo (Molybdenum)	0	0	0	0	
	Ni (Nickel)	0	0	0	0	
	Pb (Lead)	0	0	0	0	
	Sn (Tin)	0	0	0	0	
	B (Boron)	10	12	23	1	
	K (Potassium)	0	0	0	2	
Contaminant (ppm)	Na (Sodium)	0	0	0	0	
	Si (Silicon)	9	15	19	22	
	Ba (Barium)	0	0	0	0	
	Ca (Calcium)	5	7	12	2	
	Mg (Magnesium)	0	0	1	0	
	P (Phosphorus)	259	304	305	363	
	Zn (Zinc)	24	37	40	6	
	Additive (ppm)					



Contaminants



Physical Properties



Mobil ServSM

Lubricant Analysis

Report Status: Normal

Account Information

Account Number: 318801
 Account Name: Gainesville Renewable Energy Center / POWER HOUSE
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Telephone: 386-315-8024
 Parent Account: Gainesville Renewable Energy Center

Sample Information

Sample ID: 17006248061
 Tested Lubricant: DTE HEAVY MEDIUM
 Sampled: 06 Jan 2017
 Completed: 09 Jan 2017

Equipment Information

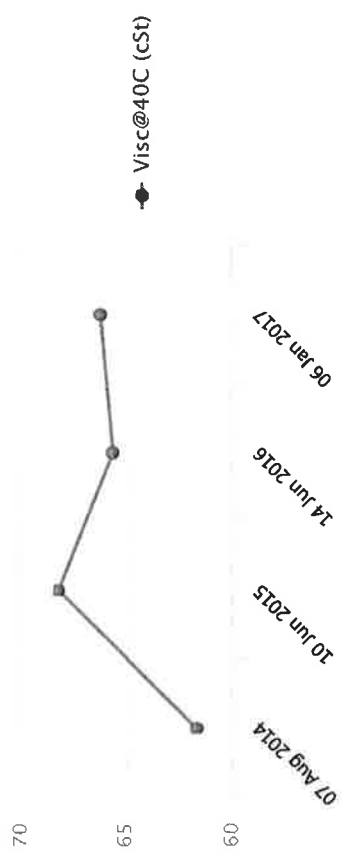
Unit ID: GA019
 Description: BC vapor compressor
 Asset ID: 40481496
 Asset Class: Circulating System
 Manufacturer: COMPRESSOR BEARING LUBE
 Model: LUBE TANK

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Alert	Normal	Normal	Normal
Sample ID	14230155047	15161349044	16166398071	17006248061	
Tested Lubricant	MOBIL DTE OIL HEAVY MEDIUM	MOBIL DTE OIL HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017	
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	09 Jan 2017	
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Alert	Normal	Normal	
Equipment Rating	Normal	Normal	Normal	Normal	

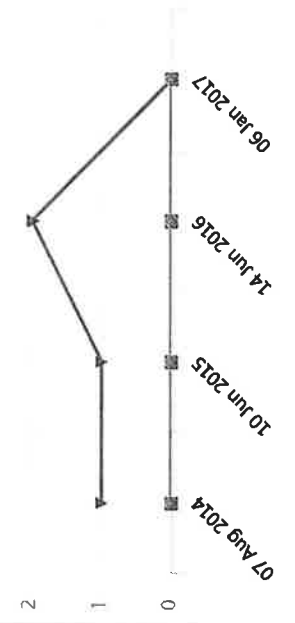
Viscosity



Sample Info

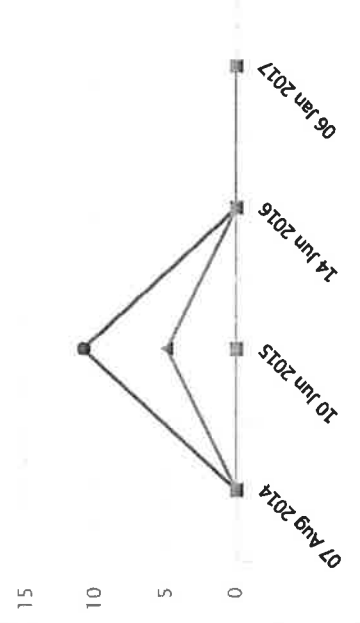
	Oxidation (Ab/cm)	0	2	0	0
40C (CS)	61.7	NotDetected	68.2	NotDetected	66.2
Water (Hot Plate)			Detected		
Al (Aluminum)	0	0	0	0	0
Cr (Chromium)	0	0	0	0	0
Cu (Copper)	1	1	2	0	0
Fe (Iron)	0	0	0	0	0
Mo (Molybdenum)	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0
Pb (Lead)	0	0	0	0	0
Sn (Tin)	0	0	0	0	0
B (Boron)	0	5	0	0	0
K (Potassium)	0	0	0	0	0
Na (Sodium)	0	0	0	0	0
Si (Silicon)	0	11	0	0	0
Ba (Barium)	0	0	0	0	0
Ca (Calcium)	1	1	1	1	1
Mg (Magnesium)	0	0	0	0	0
P (Phosphorus)	162	147	134	143	143
Zn (Zinc)	73	77	47	97	97

- ◆ Sn (Tin)
- ◆ Pb (Lead)
- ◆ Ni (Nickel)
- ◆ Fe (Iron)
- ◆ Cu (Copper)
- ◆ Cr (Chromium)
- ◆ Al (Aluminum)



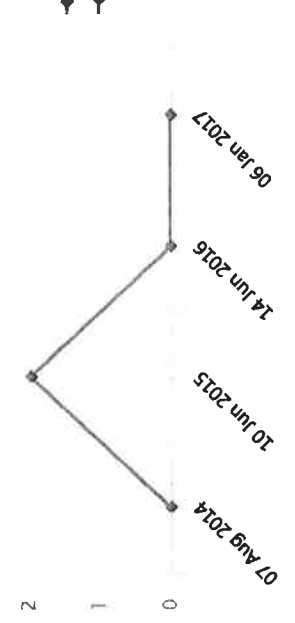
Contaminants

- ◆ Si (Silicon)
- ◆ K (Potassium)
- ◆ Na (Sodium)
- ◆ B (Boron)



Physical Properties

- ◆ Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Mobil ServSM

Lubricant Analysis

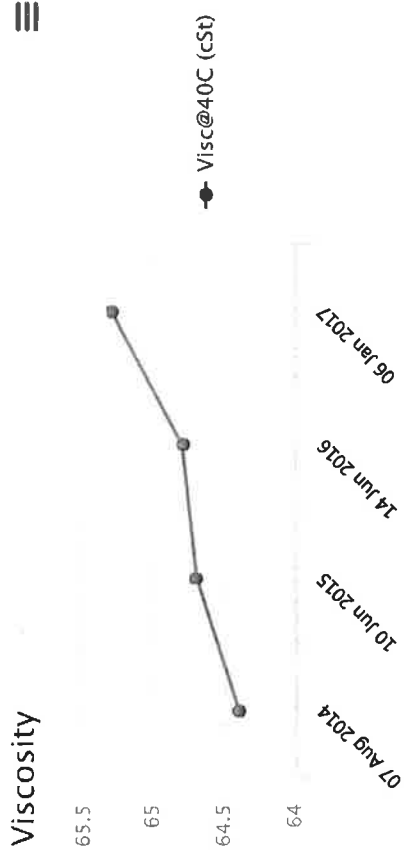
Account Information	Report Status: Normal	Equipment Information
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Account Number: 318801 Sample ID: 17006248059 Unit ID: GA020
 Account Name: Gainesville Renewable Energy Center / POWER HOUSE Tested Lubricant: DTE HEAVY MEDIUM Description: crystallizer pump
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US Sampled: 06 Jan 2017 Asset ID: 40481499
 Telephone: 386-315-8024 Completed: 09 Jan 2017 Asset Class: Gear Drive
 Parent Account: Gainesville Renewable Energy Center Manufacturer: PUMP
 Model: PUMP LUBE

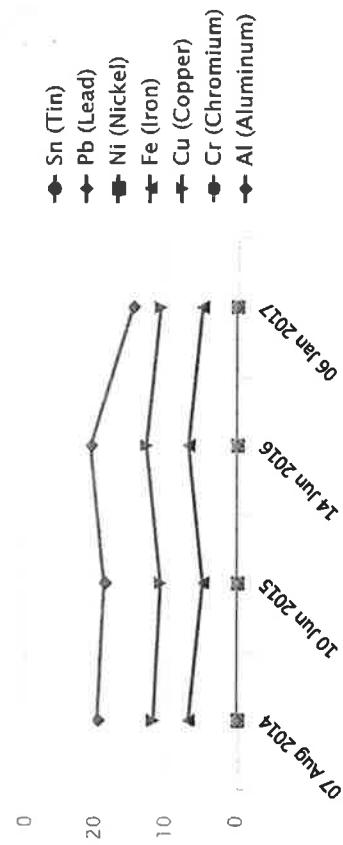
Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

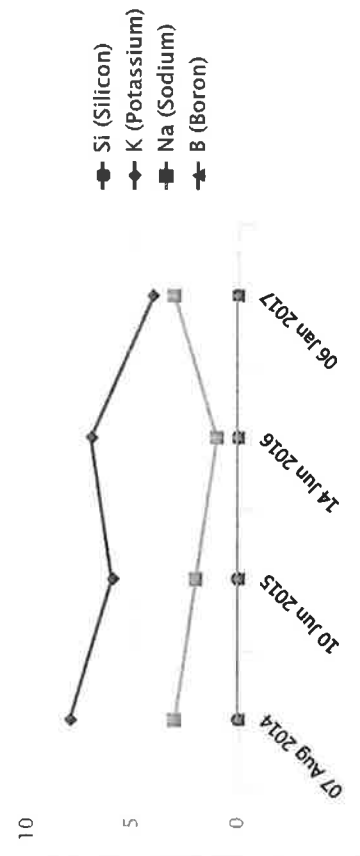
Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230155056	15161171076	16166398073	17006248059	
Tested Lubricant	MOBIL DTE OIL HEAVY MEDIUM	MOBIL DTE OIL HEAVY MEDIUM	DTE HEAVY MEDIUM	DTE HEAVY MEDIUM	
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017	
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	09 Jan 2017	
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	
Equipment Rating	Normal	Normal	Normal	Normal	



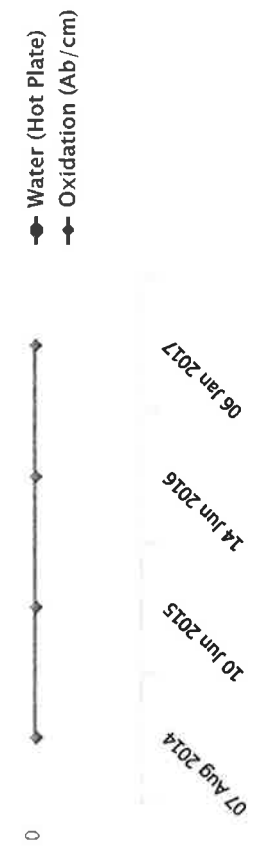
	Oxidation (Ab/cm)	0	0	0	0	0
	.@40C (cst)	64.4	64.7	64.8	65.3	NotDetected
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Wear (ppm)	Al (Aluminum)	0	0	0	0	0
	Cr (Chromium)	0	0	0	0	0
	Cu (Copper)	12	11	13	11	11
	Fe (Iron)	7	5	7	5	5
	Mo (Molybdenum)	0	0	0	0	0
	Ni (Nickel)	0	0	0	0	0
	Pb (Lead)	20	19	21	15	15
	Sn (Tin)	0	0	0	0	0
	B (Boron)	0	0	0	0	0
	K (Potassium)	8	6	7	4	4
Contaminant (ppm)	Na (Sodium)	3	2	1	3	3
	Si (Silicon)	0	0	0	0	0
	Ba (Barium)	0	0	0	0	0
	Ca (Calcium)	108	71	73	54	54
	Mg (Magnesium)	4	5	5	4	4
	P (Phosphorus)	210	215	204	183	183
	Zn (Zinc)	256	217	190	153	153
Additive (ppm)						



Contaminants



Physical Properties



Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **16357265035**
 Tested Lubricant: **EXXON NUTO H 68**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

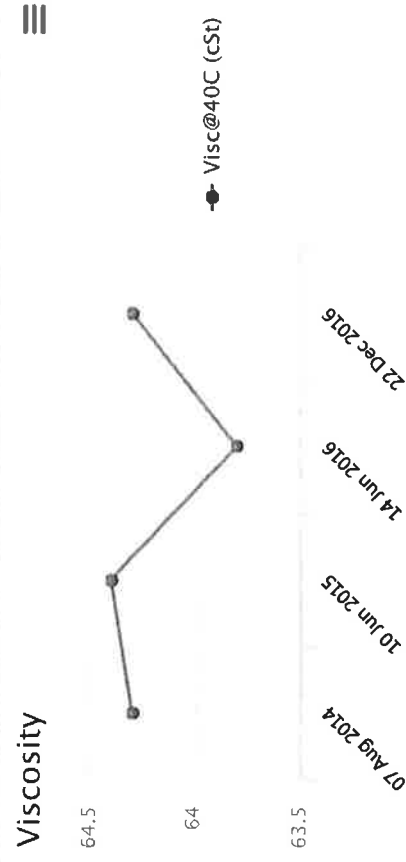
Equipment Information

Unit Id: **GA021**
 Description: **truck dump hydraulic rack (1)**
 Asset ID: **40481503**
 Asset Class: **Hydraulic**
 Manufacturer: **TRUCK DUMP HYDRAULIC UNIT (1)**
 Model: **HYDRAULIC RACK (1)**

Recommendation/Comments: **NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.**

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230448037	15161349059	16166398064	16357265035	16357265035
Tested Lubricant	NUTO H 68	NUTO H 68	EXXON NUTO H 68	EXXON NUTO H 68	EXXON NUTO H 68
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016	22 Dec 2016
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	23 Dec 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal



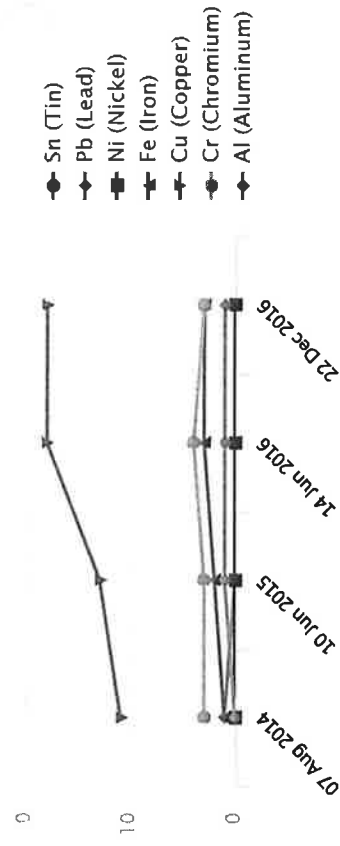
Sample Info

	Oxidation (Ab/cm)	0	0	0	0	0
Visc@40C (cSt)	64.3	64.4	63.8	64.3	NotDetected	64.3
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	1	1	1	1	1
Cr (Chromium)	3	3	4	4	3	3
Cu (Copper)	11	13	18	18	18	18
Fe (Iron)	1	2	3	3	3	3
Mo (Molybdenum)	0	0	0	0	0	0
Ni (Nickel)	0	0	0	0	0	0
Pb (Lead)	1	0	0	0	0	0
Sn (Tin)	0	0	0	0	0	0
B (Boron)	0	1	0	0	0	0
K (Potassium)	1	0	1	1	2	2
Na (Sodium)	2	0	0	0	0	0
Si (Silicon)	1	2	3	3	3	3
Ba (Barium)	0	0	0	0	0	0
Ca (Calcium)	65	63	68	68	60	60
Mg (Magnesium)	1	2	2	2	2	2
P (Phosphorus)	344	339	357	357	332	332
Zn (Zinc)	426	398	421	421	346	346

Wear (ppm)

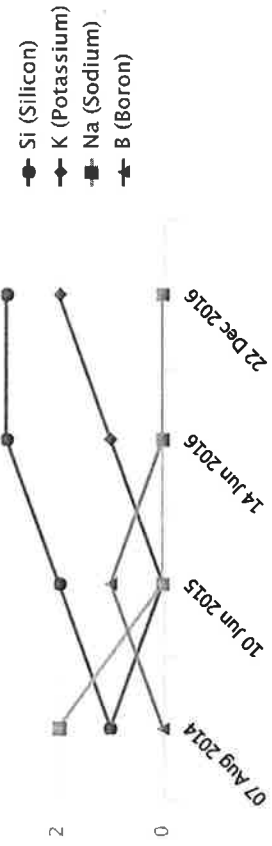
Contaminant (ppm)

Additive (ppm)



Contaminants

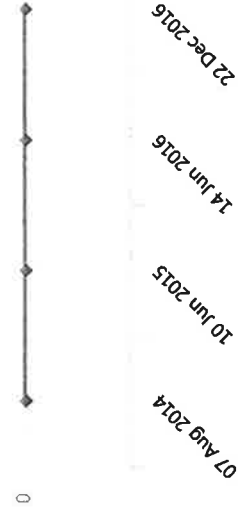
4



Physical Properties

0

Water (Hot Plate)
Oxidation (Ab/cm)



Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **16357265040**
 Tested Lubricant: **EXXON NUTO H 68**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Equipment Information

Unit Id: **GA022**
 Description: **truck dump hydraulic rack (2)**
 Asset ID: **40481505**
 Asset Class: **Hydraulic**
 Manufacturer: **TRUCK DUMP HYDRAULIC UNIT (2)**
 Model: **HYDRAULIC RACK (2)**

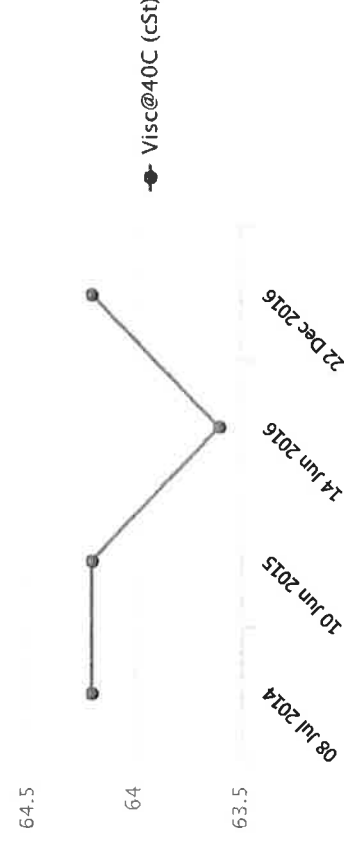
Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230448039	15161349062	16166398066	16357265040	16357265040
Tested Lubricant	NUTO H 68	NUTO H 68	EXXON NUTO H 68	EXXON NUTO H 68	EXXON NUTO H 68
Sampled	08 Jul 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016	22 Dec 2016
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	23 Dec 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal

Sample Info

Viscosity

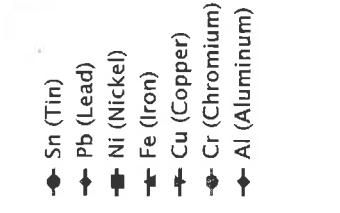


Oxidation (Ab/cm)	0	0	0	0
Visc@40C (cSt)	64.2	64.2	63.6	64.2
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0	0
Cr (Chromium)	1	1	2	2
Cu (Copper)	7	9	13	14
Fe (Iron)	0	1	2	1
Mo (Molybdenum)	0	0	0	0
Ni (Nickel)	0	0	0	0
Pb (Lead)	0	0	0	0
Sn (Tin)	0	0	0	0
B (Boron)	0	0	0	0
K (Potassium)	2	1	1	3
Na (Sodium)	2	0	0	0
Si (Silicon)	0	0	2	2
Ba (Barium)	0	0	0	0
Ca (Calcium)	61	57	62	57
Mg (Magnesium)	0	1	1	0
P (Phosphorus)	330	327	348	325
Zn (Zinc)	411	384	403	353

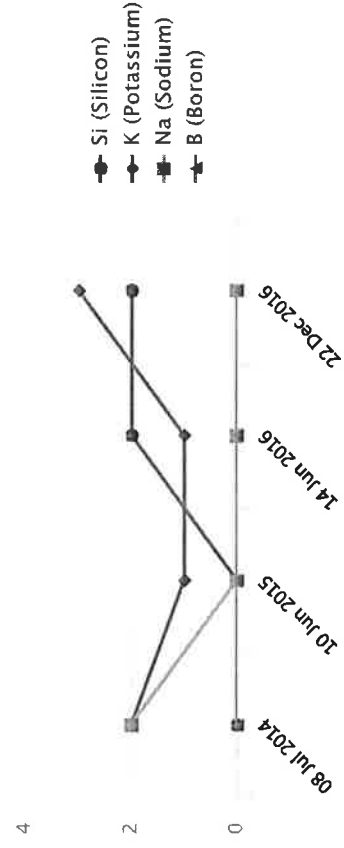
Wear (ppm)

Contaminant (ppm)

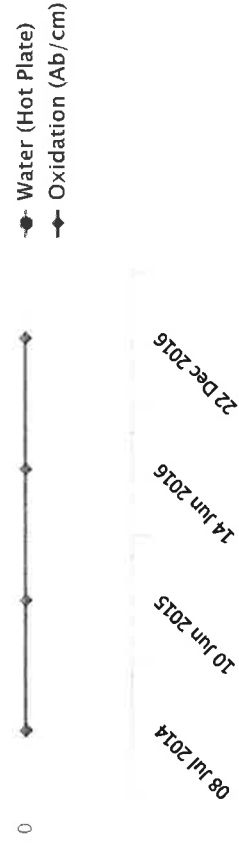
Additive (ppm)



Contaminants



Physical Properties



Mobil ServSM

Lubricant Analysis

Report Status: **Normal**

Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **16357265039**
 Tested Lubricant: **EXXON NUTO H 68**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

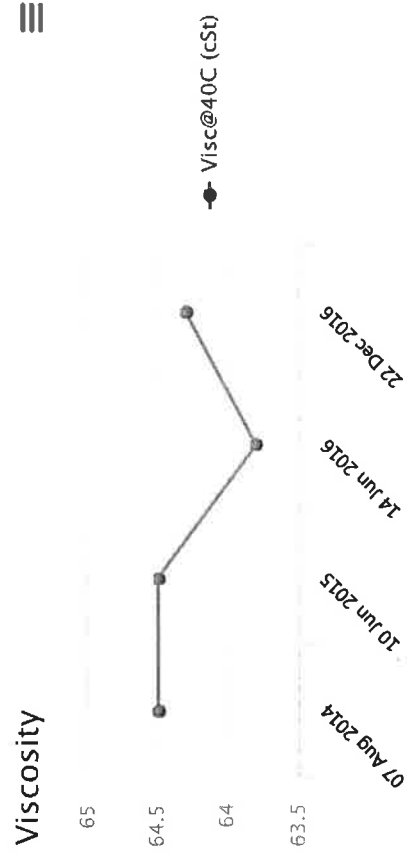
Equipment Information

Unit Id: **GA023**
 Description: **truck dump hydraulic unit (3)**
 Asset ID: **40481507**
 Asset Class: **Hydraulic**
 Manufacturer: **TRUCK DUMP HYDRAULIC UNIT (3)**
 Model: **HYDRAULIC RACK (3)**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

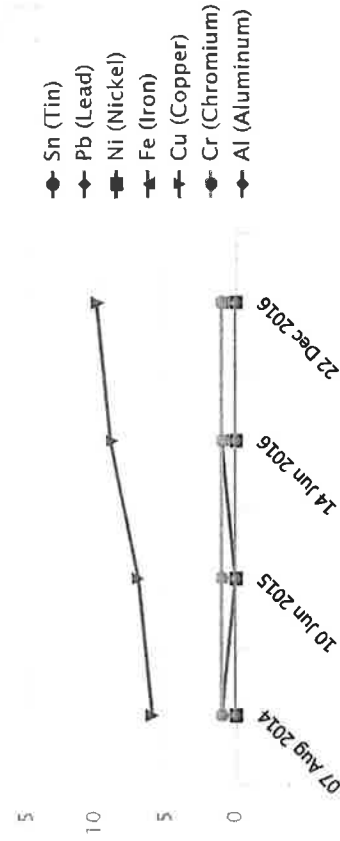
Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal	Normal
Sample ID	14230448032	15161349060	16166398059	16357265039	16357265039
Tested Lubricant	NUTO H 68	NUTO H 68	EXXON NUTO H 68	EXXON NUTO H 68	EXXON NUTO H 68
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	22 Dec 2016	22 Dec 2016
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	23 Dec 2016	23 Dec 2016
Equipment Age					
Equipment UOM					
Oil Age					
Oil UOM					
Make-up Volume					
Volume UOM					
Oil Changed					
Filter Changed					
Contamination Rating	Normal	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal	Normal

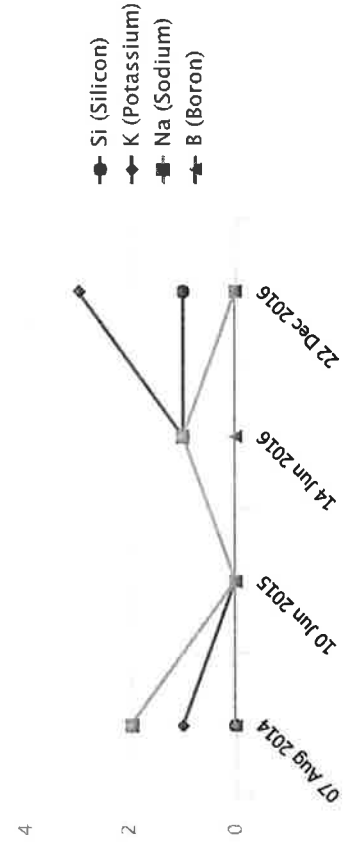


Sample Info

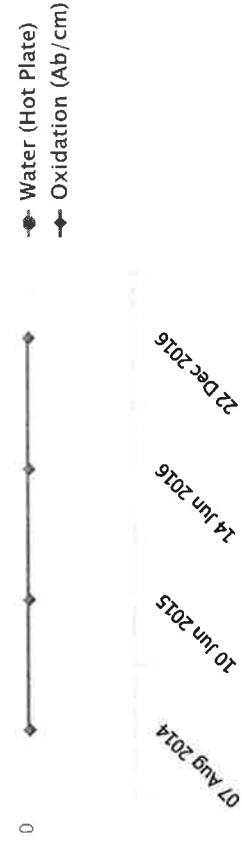
	Oxidation (Ab/cm)	0	0	0	0	0	
	Visc@40C (cSt)	64.5	64.5	64.5	63.8	64.3	
	Water (Hot Plate)	NotDetected	NotDetected	NotDetected	NotDetected	NotDetected	
Wear (ppm)	Al (Aluminum)	0	0	0	0	0	
	Cr (Chromium)	1	1	1	1	1	
	Cu (Copper)	6	7	9	10	10	
	Fe (Iron)	0	0	1	1	1	
	Mo (Molybdenum)	0	0	0	0	0	
	Ni (Nickel)	0	0	0	0	0	
	Pb (Lead)	1	0	0	0	0	
	Sn (Tin)	0	0	0	0	0	
	B (Boron)	0	0	0	0	0	
	K (Potassium)	1	0	1	3	3	
Contaminant (ppm)	Na (Sodium)	2	0	1	0	0	
	Si (Silicon)	0	0	1	1	1	
	Ba (Barium)	0	0	0	0	0	
	Ca (Calcium)	64	63	63	62	62	
	Mg (Magnesium)	0	1	1	0	0	
	P (Phosphorus)	339	333	333	327	327	
	Zn (Zinc)	418	405	390	377	377	
	Additive (ppm)						



Contaminants



Physical Properties



Mobil Serv™

Lubricant Analysis

Report Status: Alert	
Account Information	Equipment Information
Account Number: 318800	Unit ID: GA024
Account Name: Gainesville Renewable Energy Center / FUEL YARD	Description: #1 belt gear box
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Asset ID: 40481514
Telephone: 386-315-8024	Asset Class: Gear Drive
Parent Account: Gainesville Renewable Energy Center	Manufacturer: DODGE
	Model: MAGNAGEAR G390

Recommendation/Comments: ACTION REQUIRED - EXCESSIVE WATER CONTAMINATION. Determine source of water and take corrective action. Analyze the oil with an on-site water test if accessible. Possible sources of water include: a. Leaking seals; b. Condensation resulting from low operating temperatures or prolonged shutdowns; c. Compromised oil cooler; d. Direct exposure to atmosphere as a result of compromises to system components (i.e. improperly sealed tank fill access point). Remove water from oil using centrifuges or dehydration units, or drain the oil and recharge the system with new oil. Resample the system after corrective measures have been implemented. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

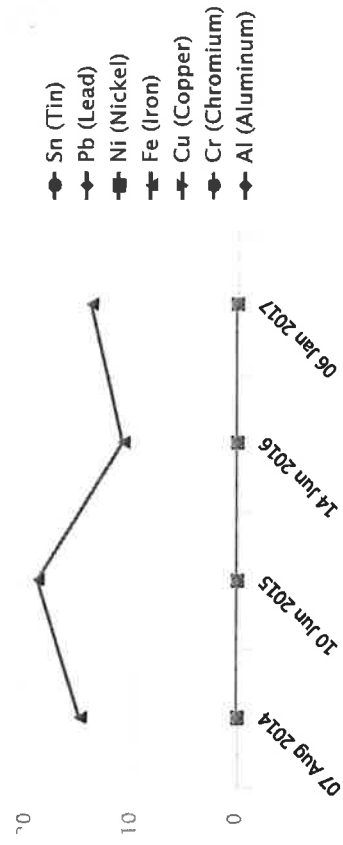
Report Status	Normal	Normal	Normal	Alert
Sample ID	14230389062	15161312071	16166119075	17006141022
Tested Lubricant	MOBILGEAR 600 XP 320	MOBIL SHC 632	MOBIL SHC 632	MOBIL SHC 632
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	09 Jan 2017
Equipment Age				
Equipment UOM				
Oil Age				
Oil UOM				
Make-up Volume				
Volume UOM				
Oil Changed				
Filter Changed				

Sample Info

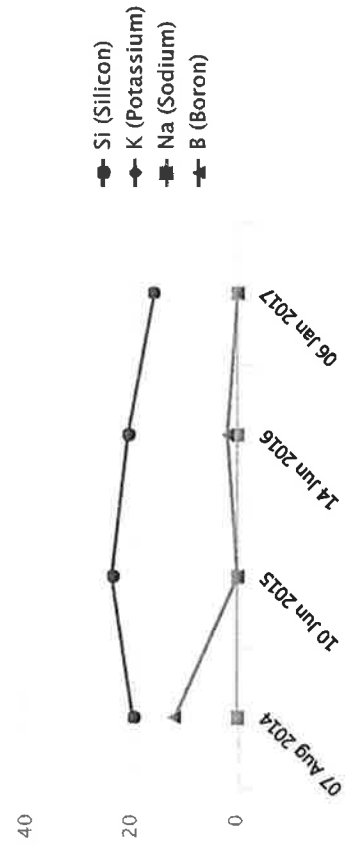
Date	Viscosity (cSt)
07 Aug 2014	320
10 Jun 2015	325
14 Jun 2016	325
06 Jan 2017	330



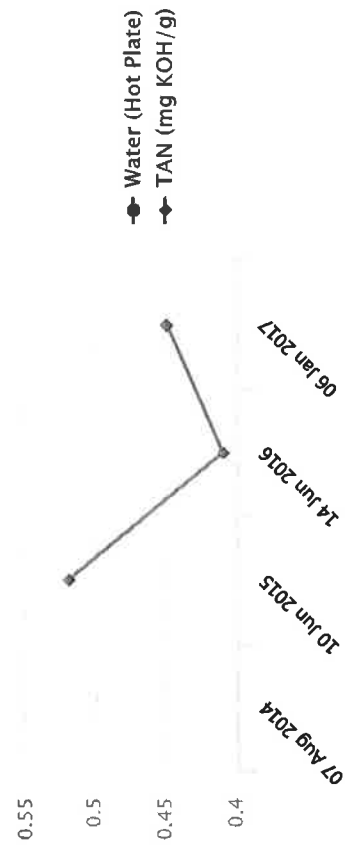
Oil Rating	Normal	Normal	Normal	Normal
Lubricant				
Oxidation (Ab/cm)	1			
TAN (mg KOH/g)		0.52	0.41	0.45
Visc@40C (cSt)	318.9	325.5	325.7	329.2
Water (Hot Plate)	NotDetected	NotDetected	NotDetected	Detected
Al (Aluminum)	0	0	0	0
Cr (Chromium)	0	0	0	0
Cu (Copper)	0	0	0	0
Fe (Iron)	15	19	11	14
Mo (Molybdenum)	0	0	0	0
Ni (Nickel)	0	0	0	0
Pb (Lead)	0	0	0	0
Sn (Tin)	0	0	0	0
B (Boron)	12	0	2	0
K (Potassium)	0	0	0	0
Na (Sodium)	0	0	0	0
Si (Silicon)	20	24	21	16
Ba (Barium)	0	0	0	0
Ca (Calcium)	0	2	2	1
Mg (Magnesium)	0	0	0	0
P (Phosphorus)	349	313	382	354
Zn (Zinc)	4	2	0	0
Wear (ppm)				
Contaminant (ppm)				
Additive (ppm)				



Contaminants



Physical Properties



Mobil Serv™

Lubricant Analysis

Report Status: Normal	
Account Information	Equipment Information
Account Number: 318800 Account Name: Gainesville Renewable Energy Center / FUEL YARD Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US Telephone: 386-315-8024 Parent Account: Gainesville Renewable Energy Center	Sample ID: 17006141033 Tested Lubricant: MOBIL SHC 632 Sampled: 06 Jan 2017 Completed: 09 Jan 2017 Unit ID: GA025 Description: #4 belt gear box Asset ID: 40481520 Asset Class: Gear Drive Manufacturer: DODGE Model: MAGNAGEAR G285

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

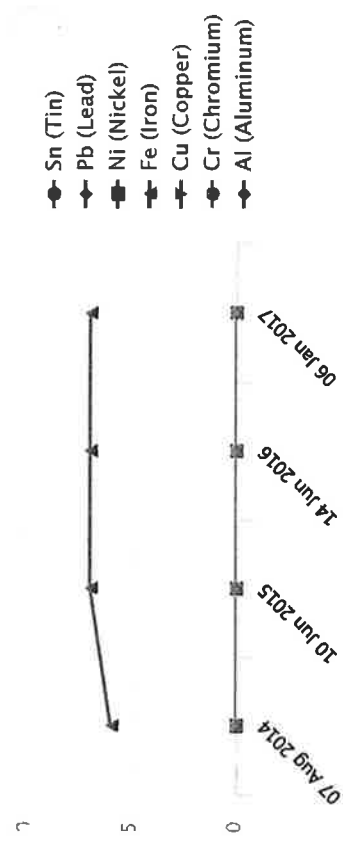
Sample Data & Trends

Report Status	Normal	Caution	Normal	Normal
Sample ID	14230390009	15161312074	16166393001	17006141033
Tested Lubricant	MOBILGEAR 600 XP 320	MOBIL-SHC 632	MOBIL-SHC 632	MOBIL-SHC 632
Sampled	07 Aug 2014	10 Jun 2015	14 Jun 2016	06 Jan 2017
Completed	22 Aug 2014	12 Jun 2015	15 Jun 2016	09 Jan 2017
Equipment Age				
Equipment UOM				
Oil Age				
Oil UOM				
Make-up Volume				
Volume UOM				
Oil Changed				
Filter Changed				
Contamination Rating	Normal	Caution	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal

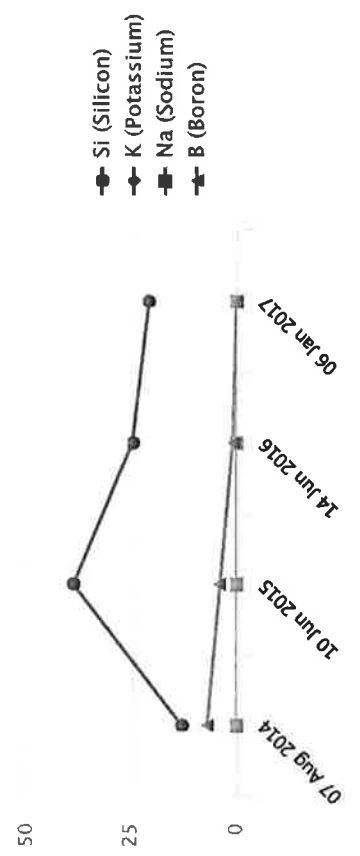
Viscosity

Date	Viscosity (cSt)
07 Aug 2014	310
10 Jun 2015	315
14 Jun 2016	320
06 Jan 2017	325

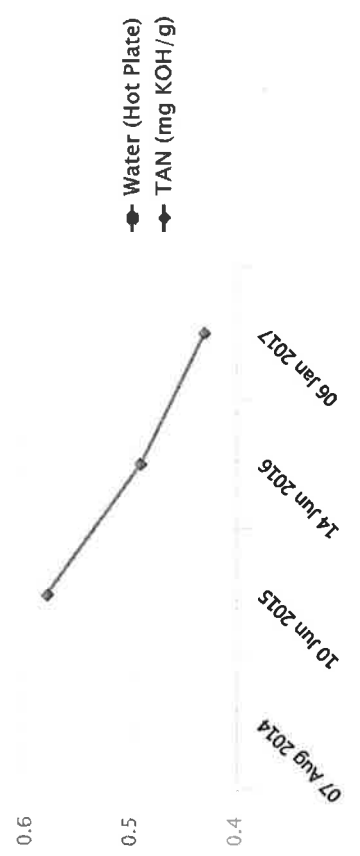
Lubricant	1	7
Oxidation (Ab/cm)	0.58	0.49
N (mg KOH/g)	311.1	318.5
Visc@40C (cSt)	NotDetected	NotDetected
Water (Hot Plate)	0	0
Al (Aluminum)	0	0
Cr (Chromium)	0	0
Cu (Copper)	0	0
Fe (Iron)	6	7
Mo (Molybdenum)	0	0
Ni (Nickel)	0	0
Pb (Lead)	0	0
Sn (Tin)	0	0
B (Boron)	7	4
K (Potassium)	0	0
Na (Sodium)	0	0
Si (Silicon)	13	25
Ba (Barium)	0	0
Ca (Calcium)	1	1
Mg (Magnesium)	0	0
P (Phosphorus)	276	403
Zn (Zinc)	7	4
Wear (ppm)	0.43	0.43
Contaminant (ppm)	NotDetected	NotDetected
Additive (ppm)	NotDetected	NotDetected



Contaminants



Physical Properties



Account Number: 318800
 Account Name: Gainesville Renewable Energy Center / FUEL YARD
 Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US
 Telephone: 386-315-8024
 Parent Account: Gainesville Renewable Energy Center

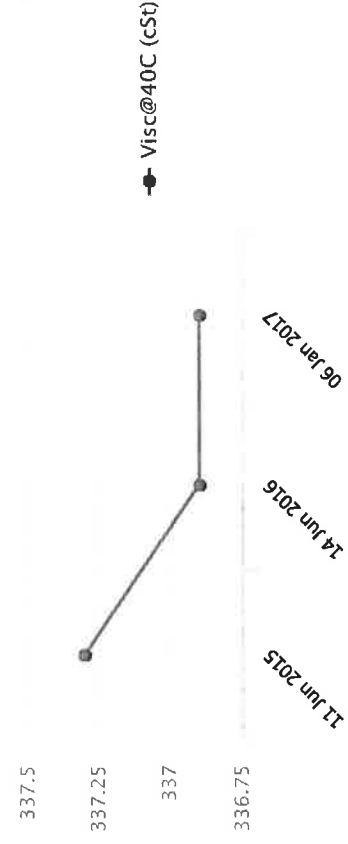
Sample ID: 17006141032
 Tested Lubricant: MOBIL SHC 632
 Sampled: 06 Jan 2017
 Completed: 09 Jan 2017
 Unit ID: GA026
 Description: #13 belt gear box (1)
 Asset ID: 40481531
 Asset Class: Gear Drive
 Manufacturer: BONFIGLIONI
 Model: A903UH44.6 TRIPLE REDUCTION

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Alert	Normal	Normal
Sample ID	15162629002	16166119073	17006141032
Tested Lubricant	MOBIL GLYGOYLE 320	MOBIL SHC 632	MOBIL SHC 632
Sampled	11 Jun 2015	14 Jun 2016	06 Jan 2017
Completed	15 Jun 2015	15 Jun 2016	09 Jan 2017
Equipment Age			
Equipment UOM			
Oil Age			
Oil UOM			
Make-up Volume			
Volume UOM			
Oil Changed			
Filter Changed			
Contamination Rating	Alert	Normal	Normal
Equipment Rating	Normal	Normal	Normal

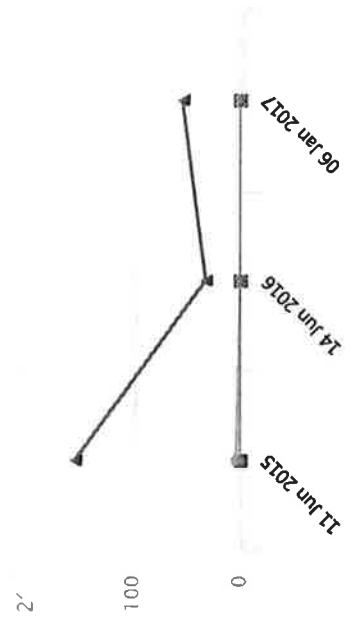
Viscosity



Sample Info

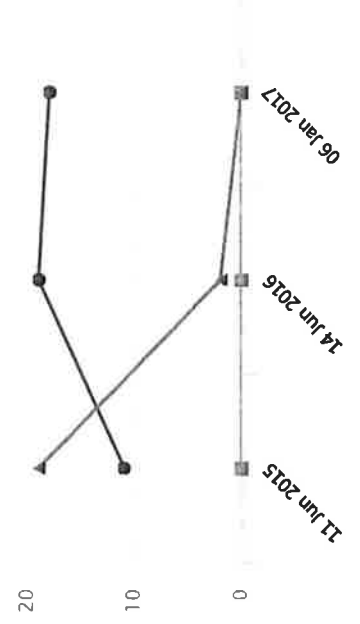
	Visc@40C (cSt)	337.3	336.9	336.9
Water (Hot Plate)	Detected	0	0	NotDetected
Al (Aluminum)		0	0	0
Cr (Chromium)		4	0	0
Cu (Copper)		0	0	0
Fe (Iron)		155	33	55
Mo (Molybdenum)		0	0	0
Ni (Nickel)		0	0	0
Pb (Lead)		0	0	0
Sn (Tin)		0	0	0
B (Boron)		19	2	0
K (Potassium)		0	0	0
Na (Sodium)		0	0	0
Si (Silicon)		11	19	18
Ba (Barium)		0	0	0
Ca (Calcium)		0	1	1
Mg (Magnesium)		0	0	0
P (Phosphorus)		489	272	258
Zn (Zinc)		0	2	1

- Sn (Tin)
- ◆ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▼ Cu (Copper)
- Cr (Chromium)
- ◆ Al (Aluminum)



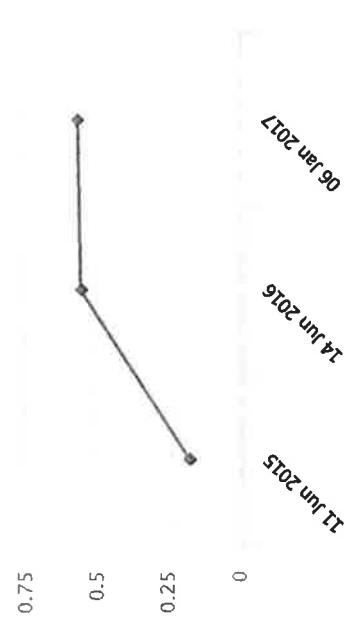
Contaminants

- Si (Silicon)
- ◆ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties

- Water (Hot Plate)
- ◆ TAN (mg KOH/g)



Account Information		Sample Information		Equipment Information	
Account Number: 318800	Account Name: Gainesville Renewable Energy Center / FUEL YARD	Sample ID: 17006596001	Unit ID: GA027	Report Status: Normal	
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Telephone: 386-315-8024	Tested Lubricant: GLYGOYLE 320	Description: #13 belt gear box (2)		
Parent Account: Gainesville Renewable Energy Center		Sampled: 06 Jan 2017	Asset ID: 40481532		
		Completed: 10 Jan 2017	Asset Class: Gear Drive		
			Manufacturer: BONFIGLIONI		
			Model: A903UH44.6 TRIPLE REDUCTION		

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Alert	Alert	Alert	Normal
Sample ID	15162629001	16166531012	17006596001	17006596001
Tested Lubricant	MOBIL GLYGOYLE 320	GLYGOYLE 320	GLYGOYLE 320	GLYGOYLE 320
Sampled	11 Jun 2015	14 Jun 2016	06 Jan 2017	06 Jan 2017
Completed	15 Jun 2015	16 Jun 2016	10 Jan 2017	10 Jan 2017
Equipment Age				
Equipment UOM				
Oil Age				
Oil UOM				
Make-up Volume				
Volume UOM				
Oil Changed				
Filter Changed				
Contamination Rating	Alert	Alert	Alert	Normal
Equipment Rating	Normal	Normal	Normal	Normal

Sample Info

Visc@40C (cSt)	338.7	332.8	333.8
Water (Hot Plate)	Detected	Detected	Not Detected
Al (Aluminum)	0	0	0
Cr (Chromium)	0	0	0
Cu (Copper)	0	0	0
Fe (Iron)	3	2	1
Mo (Molybdenum)	0	0	0
Ni (Nickel)	0	0	0
Pb (Lead)	0	0	0
Sn (Tin)	0	0	0
B (Boron)	11	4	3
K (Potassium)	0	0	0
Na (Sodium)	0	7	0
Si (Silicon)	5	3	4
Ba (Barium)	0	0	0
Ca (Calcium)	0	0	0
Mg (Magnesium)	0	0	0
P (Phosphorus)	358	450	546
Zn (Zinc)	0	0	0

Wear (ppm)

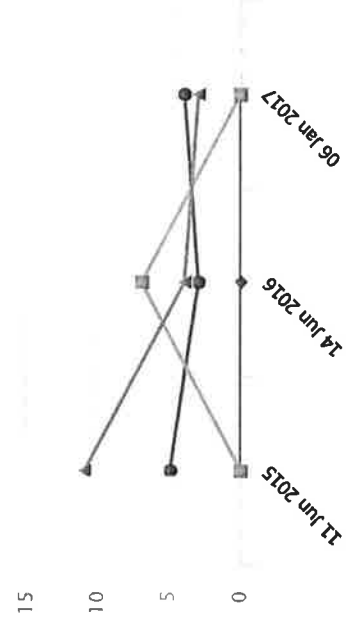
Contaminant (ppm)

Additive (ppm)

- Sn (Tin)
- Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▲ Cu (Copper)
- ▲ Cr (Chromium)
- ▲ Al (Aluminum)



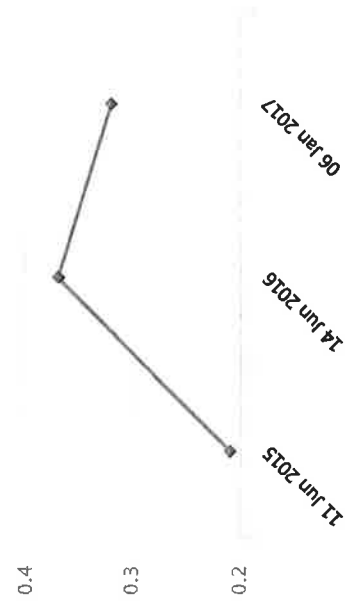
Contaminants



- Si (Silicon)
- K (Potassium)
- Na (Sodium)
- ▲ B (Boron)

Physical Properties

- Water (Hot Plate)
- ▲ TAN (mg KOH/g)



Report Status: **Normal**

Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **16357183055**
 Tested Lubricant: **MOBIL SHC 632**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Equipment Information

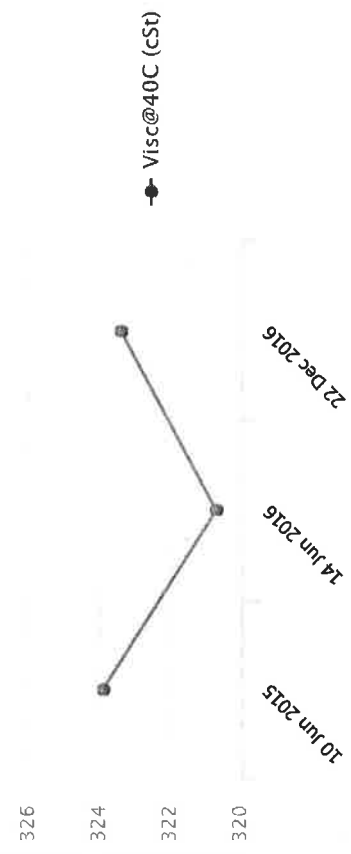
Unit Id: **GAO33**
 Description: **AUTO RECLAIMER GEARBOX (1)**
 Asset ID: **40607918**
 Asset Class: **Gear Drive**
 Manufacturer: **DODGE**
 Model: **BONIFIGLIOLI**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

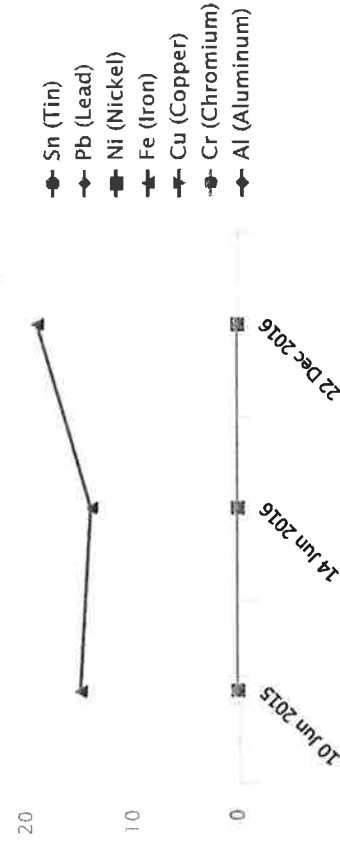
Report Status	Normal	Normal	Normal
Sample ID	15161312068	161666119076	16357183055
Tested Lubricant	MOBIL SHC 632	MOBIL SHC 632	MOBIL SHC 632
Sampled	10 Jun 2015	14 Jun 2016	22 Dec 2016
Completed	12 Jun 2015	15 Jun 2016	23 Dec 2016
Equipment Age			
Equipment UOM			
Oil Age			
Oil UOM			
Make-up Volume			
Volume UOM			
Oil Changed			
Filter Changed			
Contamination Rating	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal

Viscosity

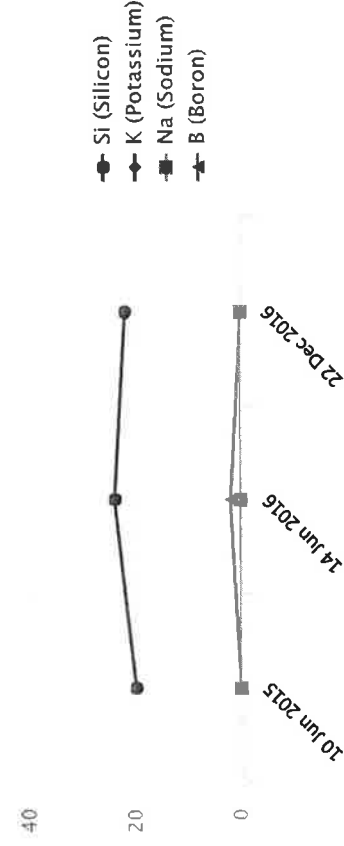


Sample Info

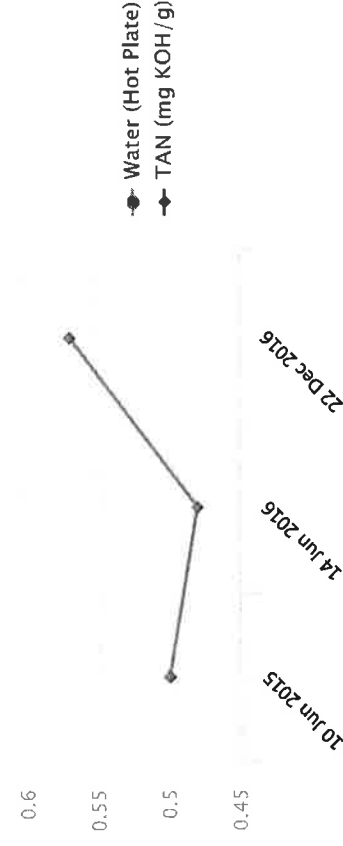
Visc@40C (cSt)	323.9	320.7	323.4
Water (Hot Plate)	NotDetected	NotDetected	NotDetected
Al (Aluminum)	0	0	0
Cr (Chromium)	0	0	0
Cu (Copper)	0	0	0
Fe (Iron)	15	14	19
Mo (Molybdenum)	0	0	0
Ni (Nickel)	0	0	0
Pb (Lead)	0	0	0
Sn (Tin)	0	0	0
B (Boron)	0	2	0
K (Potassium)	0	0	0
Na (Sodium)	0	0	0
Si (Silicon)	20	24	22
Ba (Barium)	0	0	0
Ca (Calcium)	1	1	1
Mg (Magnesium)	0	0	0
P (Phosphorus)	391	398	357
Zn (Zinc)	1	0	1



Contaminants



Physical Properties



Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **16357183057**
 Tested Lubricant: **MOBIL SHC 632**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

Equipment Information

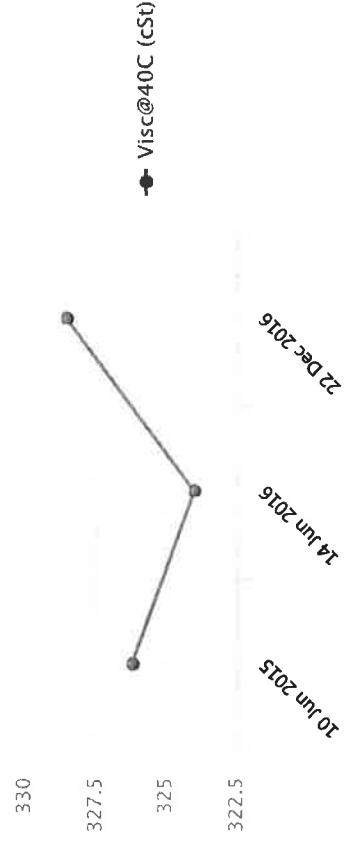
Unit Id: **GA034**
 Description: **AUTO RECLAIMER GEARBOX(2)**
 Asset ID: **40607919**
 Asset Class: **Gear Drive**
 Manufacturer: **DODGE**
 Model: **BONIFIGLIOLI**

Recommendation/Comments: **NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.**

Sample Data & Trends

Report Status	Normal	Normal	Normal
Sample ID	15161312070	16166619074	16357183057
Tested Lubricant	MOBIL SHC 632	MOBIL SHC 632	MOBIL SHC 632
Sampled	10 Jun 2015	14 Jun 2016	22 Dec 2016
Completed	12 Jun 2015	15 Jun 2016	23 Dec 2016
Equipment Age			
Equipment UOM			
Oil Age			
Oil UOM			
Make-up Volume			
Volume UOM			
Oil Changed			
Filter Changed			
Contamination Rating	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal

Viscosity



Sample Info

	326.2	324.0	328.5
Visc@40C (cSt)	NotDetected	NotDetected	NotDetected
Water (Hot Plate)	0	0	0
Al (Aluminum)	0	0	0
Cr (Chromium)	0	0	0
Cu (Copper)	0	0	0
Fe (Iron)	7	9	9
Mo (Molybdenum)	0	0	0
Ni (Nickel)	0	0	0
Pb (Lead)	0	0	0
Sn (Tin)	0	0	0
B (Boron)	0	3	0
K (Potassium)	0	0	0
Na (Sodium)	0	0	0
Si (Silicon)	20	22	23
Ba (Barium)	0	0	0
Ca (Calcium)	0	1	2
Mg (Magnesium)	0	0	0
P (Phosphorus)	388	379	364
Zn (Zinc)	0	0	0

Wear (ppm)

Contaminant (ppm)

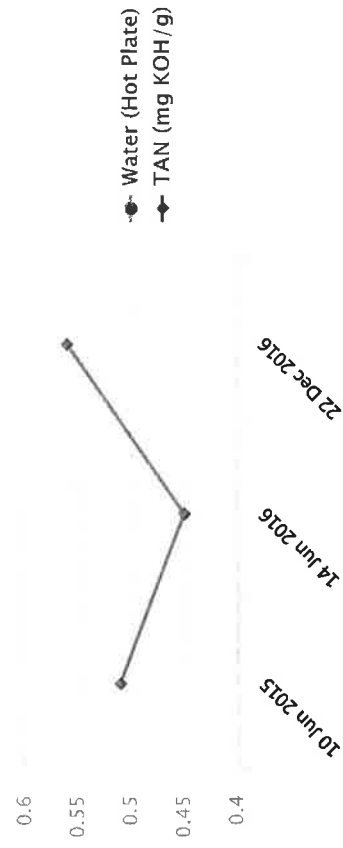
Additive (ppm)



Contaminants



Physical Properties



Mobil ServSM

Lubricant Analysis

Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **16357183054**
 Tested Lubricant: **MGEAR 600 XP 320**
 Sampled: **22 Dec 2016**
 Completed: **23 Dec 2016**

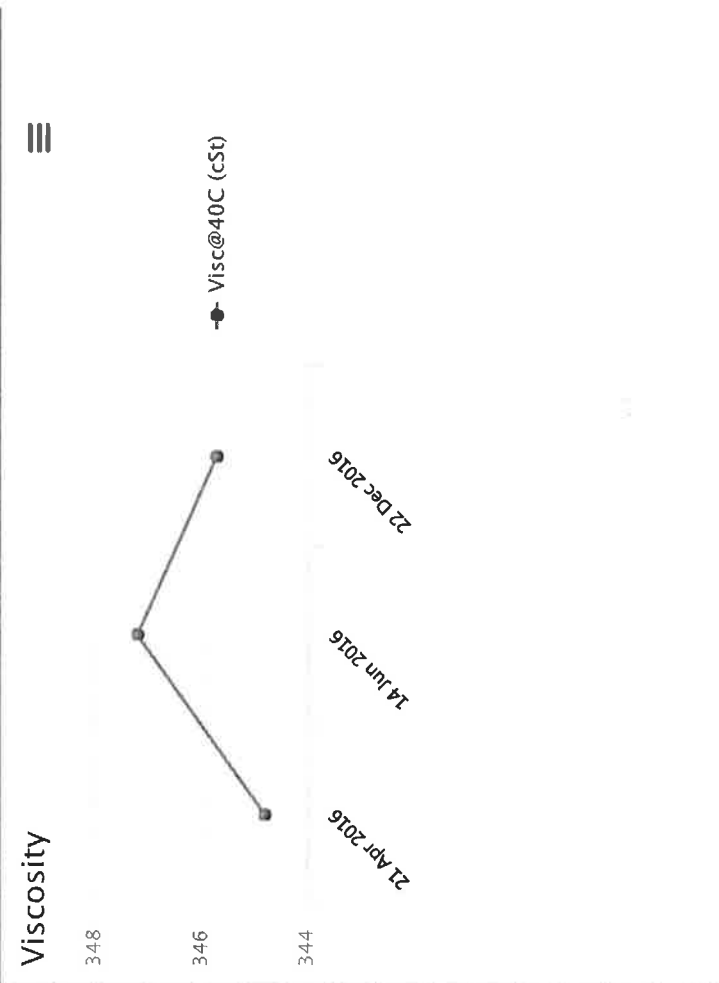
Equipment Information

Unit Id: **GA035**
 Description: **#5 GEARBOX**
 Asset ID: **50025463**
 Asset Class: **Gear Drive**
 Manufacturer: **DODGE (BALDOR)**
 Model: **G210**

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal	Normal	Normal
Sample ID	16112432020	16166393004	16357183054	16357183054
Tested Lubricant	MGEAR 600 XP 320	MGEAR 600 XP 320	MGEAR 600 XP 320	MGEAR 600 XP 320
Sampled	21 Apr 2016	14 Jun 2016	22 Dec 2016	22 Dec 2016
Completed	25 Apr 2016	15 Jun 2016	23 Dec 2016	23 Dec 2016
Equipment Age				
Equipment UOM				
Oil Age				
Oil UOM				
Make-up Volume				
Volume UOM				
Oil Changed				
Filter Changed				
Contamination Rating	Normal	Normal	Normal	Normal
Equipment Rating	Normal	Normal	Normal	Normal



	344.8	347.2	345.7
Visc@40C (cSt)	NotDetected	NotDetected	NotDetected
Water (Hot Plate)	0	0	0
Al (Aluminium)	0	0	0
Cr (Chromium)	0	0	0
Cu (Copper)	0	0	0
Fe (Iron)	7	12	10
Mo (Molybdenum)	0	0	0
Ni (Nickel)	0	0	0
Pb (Lead)	0	0	0
Sn (Tin)	0	0	0
B (Boron)	0	2	0
K (Potassium)	0	0	1
Na (Sodium)	0	0	0
Si (Silicon)	14	21	28
Ba (Barium)	0	0	0
Ca (Calcium)	0	0	0
Mg (Magnesium)	0	0	0
P (Phosphorus)	193	323	316
Zn (Zinc)	5	2	1

Wear (ppm)

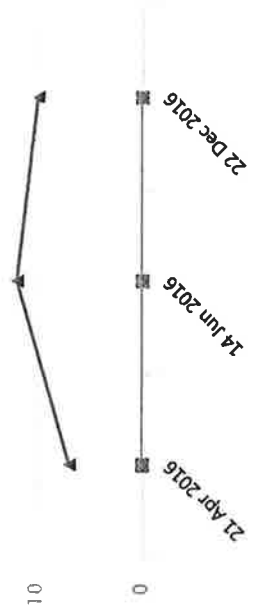
Contaminant (ppm)

Additive (ppm)

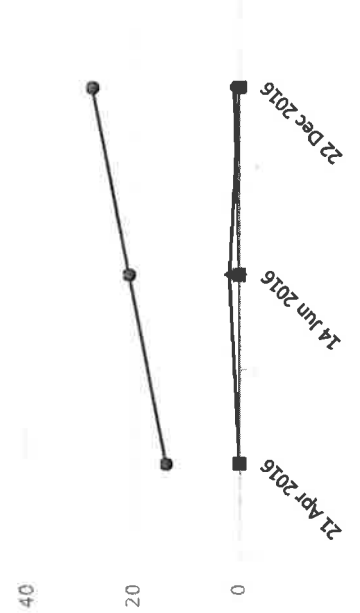
- Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▼ Fe (Iron)
- ◆ Cu (Copper)
- Cr (Chromium)
- ▲ Al (Aluminium)

- Si (Silicon)
- ▲ K (Potassium)
- Na (Sodium)
- ▼ B (Boron)

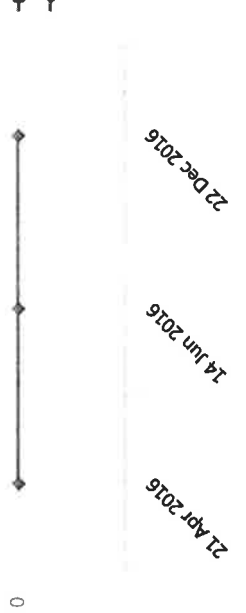
- Water (Hot Plate)
- ◆ Oxidation (Ab/cm)



Contaminants



Physical Properties



Account Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17006141031**
 Tested Lubricant: **MGEAR 600 XP 220**
 Sampled: **06 Jan 2017**
 Completed: **09 Jan 2017**

Equipment Information

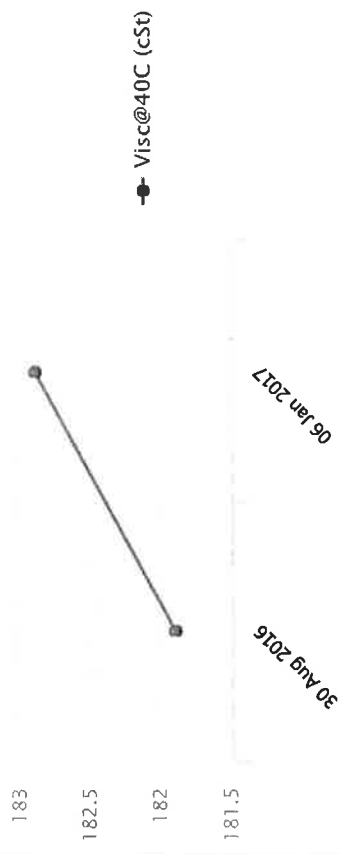
Unit ID: **GA036**
 Description: **#1 Fuel Rotary Feeder FCS-RTF-1022 (north, left side)**
 Asset ID: **50069193**
 Asset Class: **Gear Drive**
 Manufacturer:
 Model:

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal	Normal
Sample ID	16243242009	17006141031
Tested Lubricant	MGEAR 600 XP 220	MGEAR 600 XP 220
Sampled	30 Aug 2016	06 Jan 2017
Completed	31 Aug 2016	09 Jan 2017
Equipment Age		
Equipment UOM		
Oil Age		
Oil UOM		
Make-up Volume		
Volume UOM		
Oil Changed		
Filter Changed		
Contamination Rating	Normal	Normal
Equipment Rating	Normal	Normal

Viscosity



	Oxidation (Ab/cm)	0	0
	Visc@40C (cSt)	181.9	182.9
	Water (Hot Plate)	NotDetected	NotDetected
Wear (ppm)	Al (Aluminum)	0	0
	Cr (Chromium)	0	0
	Cu (Copper)	0	0
	Fe (Iron)	33	37
	Mo (Molybdenum)	0	0
	Ni (Nickel)	0	0
	Pb (Lead)	0	0
	Sn (Tin)	0	0
	B (Boron)	22	19
	K (Potassium)	0	0
Contaminant (ppm)	Na (Sodium)	1	1
	Si (Silicon)	1	0
	Ba (Barium)	0	0
	Ca (Calcium)	837	804
	Mg (Magnesium)	2	2
	P (Phosphorus)	292	297
	Zn (Zinc)	38	39
Additive (ppm)			

- Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▼ Fe (Iron)
- ◆ Cu (Copper)
- ◆ Cr (Chromium)
- ◆ Al (Aluminum)

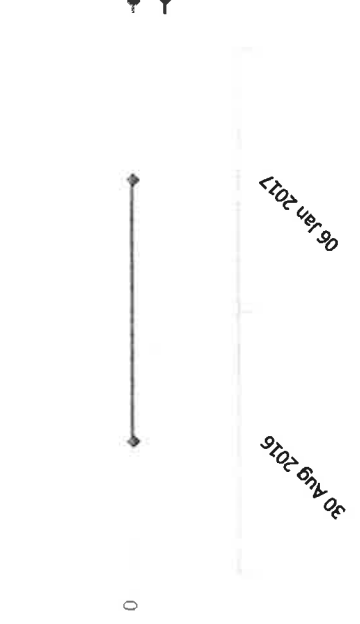


Contaminants



- Si (Silicon)
- ▲ K (Potassium)
- Na (Sodium)
- ▼ B (Boron)

Physical Properties



- Water (Hot Plate)
- ▲ Oxidation (Ab/cm)

Account Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17006141021**
 Tested Lubricant: **MGEAR 600 XP 220**
 Sampled: **06 Jan 2017**
 Completed: **09 Jan 2017**

Equipment Information

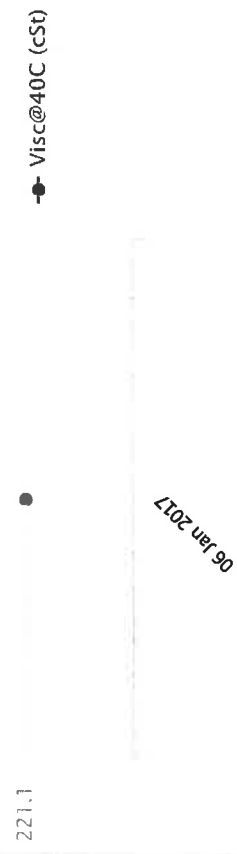
Unit ID: **GA 03Z**
 Description: **#2 Fuel Rotary Feeder FCS-RTF-1023**
 Asset ID: **5006919Z**
 Asset Class: **Gear Drive**
 Manufacturer:
 Model:

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal
Sample ID	17006141021
Tested Lubricant	MGEAR 600 XP 220
Sampled	06 Jan 2017
Completed	09 Jan 2017
Equipment Age	
Equipment UOM	
Oil Age	
Oil UOM	
Make-up Volume	
Volume UOM	
Oil Changed	
Filter Changed	
Contamination Rating	Normal
Equipment Rating	Normal

Viscosity



Visc@40C (cSt)	221.1
Water (Hot Plate)	Not Detected
Al (Aluminum)	0
Cr (Chromium)	0
Cu (Copper)	0
Fe (Iron)	4
Mo (Molybdenum)	0
Ni (Nickel)	0
Pb (Lead)	0
Sn (Tin)	0
B (Boron)	16
K (Potassium)	0
Na (Sodium)	0
Si (Silicon)	1
Ba (Barium)	0
Ca (Calcium)	231
Mg (Magnesium)	1
P (Phosphorus)	317
Zn (Zinc)	3

Wear (ppm)

Contaminant (ppm)

Additive (ppm)

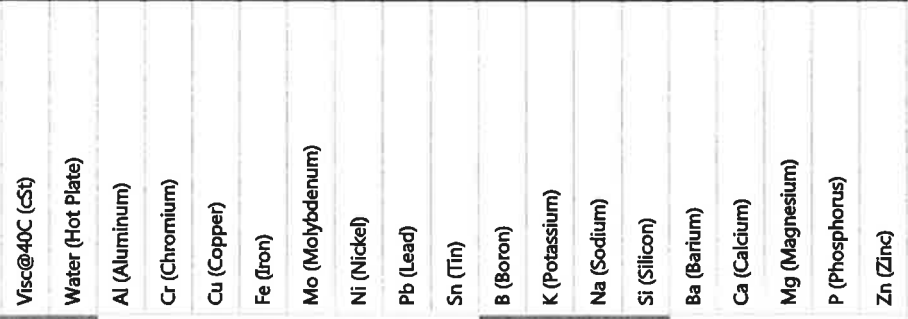
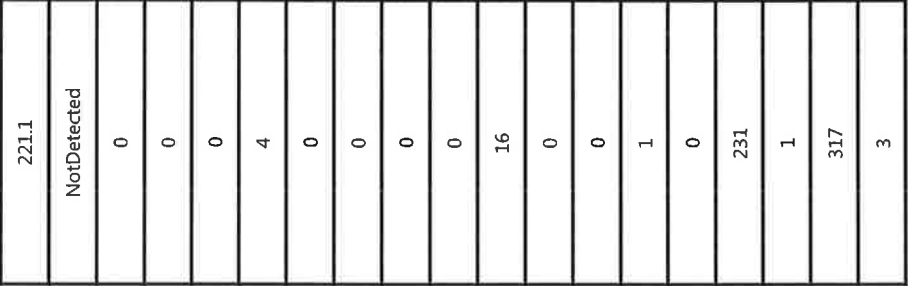
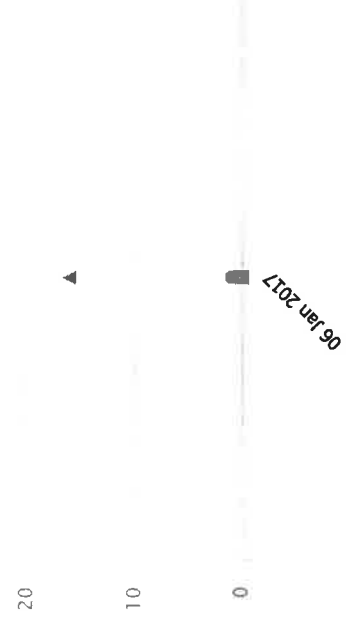
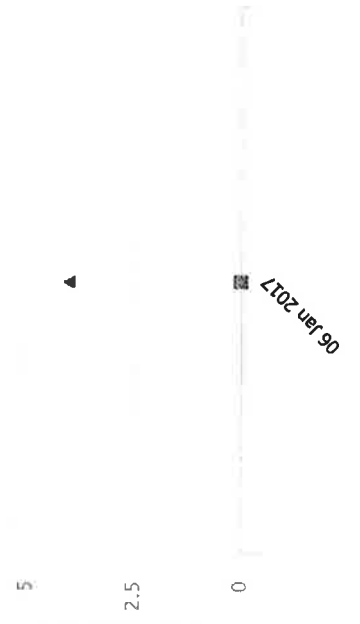
- ◆ Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▼ Fe (Iron)
- ◆ Cu (Copper)
- ▲ Cr (Chromium)
- Al (Aluminum)

- ◆ Si (Silicon)
- ▲ K (Potassium)
- Na (Sodium)
- ▼ B (Boron)

- ◆ Water (Hot Plate)
- ▲ Oxidation (Ab/cm)

Contaminants

Physical Properties



06 Jan 2017

06 Jan 2017

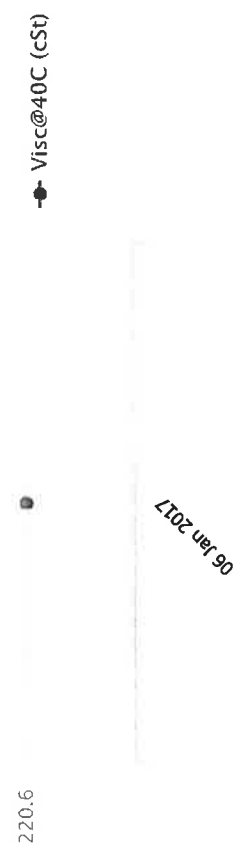
06 Jan 2017

Report Status: Normal	
Account Information	Equipment Information
Account Number: 318801	Sample ID: 17006141034 Unit ID: GA 038
Account Name: Gainesville Renewable Energy Center / POWER HOUSE	Tested Lubricant: MGEAR 600 XP 220 Description: #3 Fuel Rotary Feeder FCS-RTF-1024
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Sampled: 06 Jan 2017 Asset ID: 50069196
Telephone: 386-315-8024	Completed: 09 Jan 2017 Asset Class: Gear Drive
Parent Account: Gainesville Renewable Energy Center	Manufacturer:
	Model:

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends	
Report Status	Normal
Sample ID	17006141034
Tested Lubricant	MGEAR 600 XP 220
Sampled	06 Jan 2017
Completed	09 Jan 2017
Equipment Age	
Equipment UOM	
Oil Age	
Oil UOM	
Make-up Volume	
Volume UOM	
Oil Changed	
Filter Changed	
Contamination Rating	Normal
Equipment Rating	Normal

Viscosity



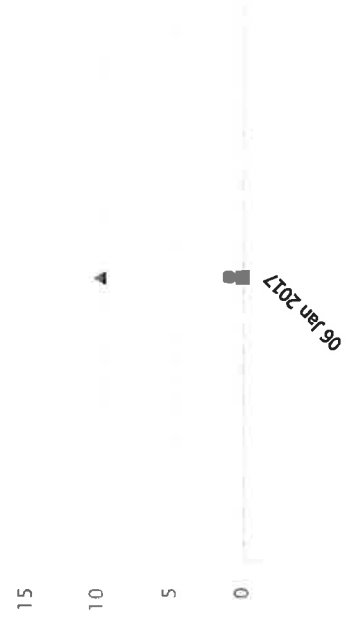
Sample Info

	Visc@40C (cSt)	220.6
	Water (Hot Plate)	NotDetected
Wear (ppm)	Al (Aluminum)	0
	Cr (Chromium)	0
	Cu (Copper)	0
	Fe (Iron)	2
	Mo (Molybdenum)	0
	Ni (Nickel)	0
	Pb (Lead)	0
	Sn (Tin)	0
	B (Boron)	10
	K (Potassium)	0
Contaminant (ppm)	Na (Sodium)	0
	Si (Silicon)	1
	Ba (Barium)	0
	Ca (Calcium)	143
	Mg (Magnesium)	0
	P (Phosphorus)	282
	Zn (Zinc)	3
Additive (ppm)		

- ◆ Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▲ Cu (Copper)
- ▲ Cr (Chromium)
- ▲ Al (Aluminum)



Contaminants



- ◆ Si (Silicon)
- ▲ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)



Physical Properties



- ◆ Water (Hot Plate)
- ▲ Oxidation (Ab/cm)

Account Information		Report Status: Normal	
Sample Information		Equipment Information	
Account Number: 318801	Sample ID: 17006141020	Unit ID: GA 039	
Account Name: Gainesville Renewable Energy Center / POWER HOUSE	Tested Lubricant: MGEAR 600 XP 220	Description: #1 Fuel Rotary Feeder FCS-RTF-1025 (north right side)	
Address: 11201 Nw 13th Street, Gainesville, FL 32653-0000 US	Sampled: 06 Jan 2017	Asset ID: 50069198	
Telephone: 386-315-8024	Completed: 09 Jan 2017	Asset Class: Gear Drive	
Parent Account: Gainesville Renewable Energy Center		Manufacturer:	
		Model:	

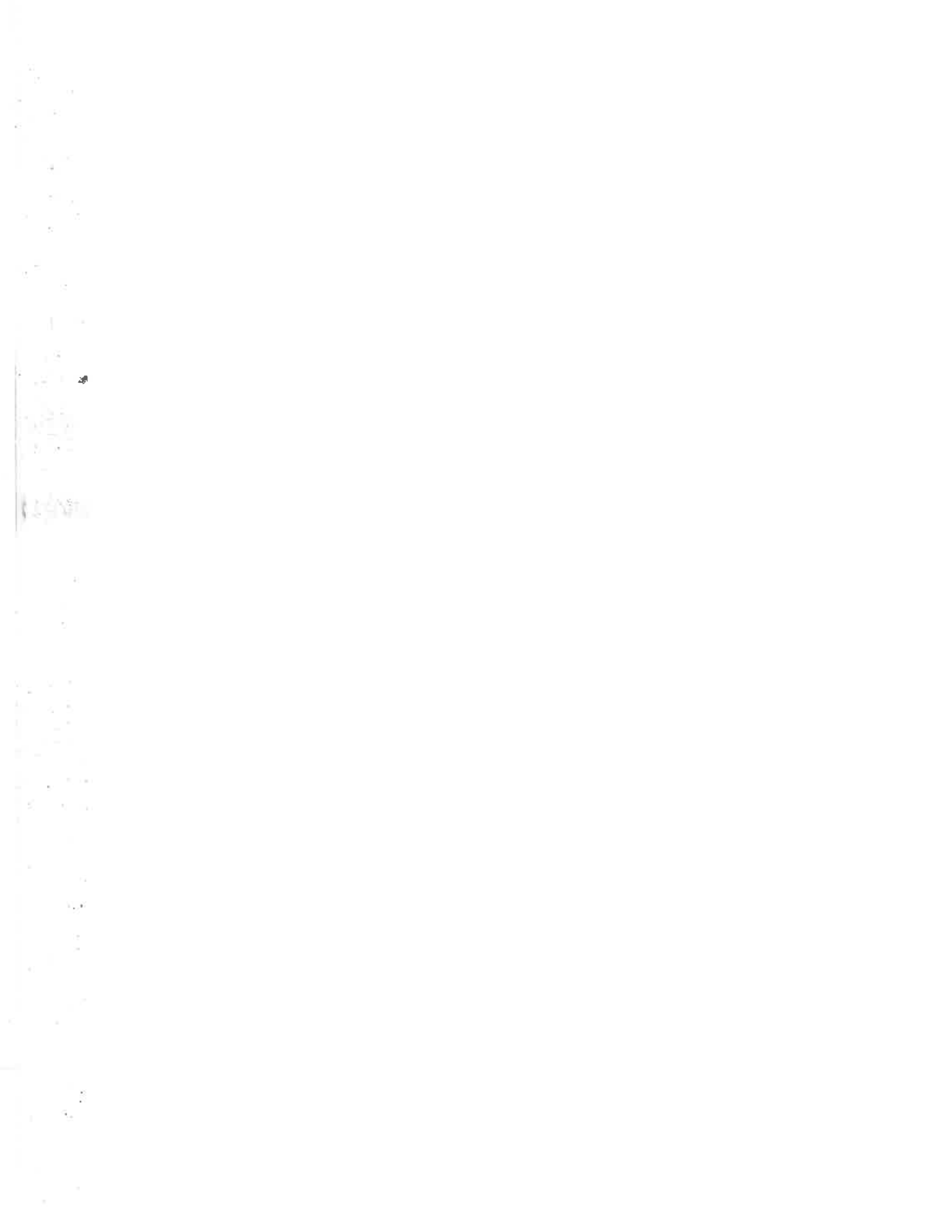
Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

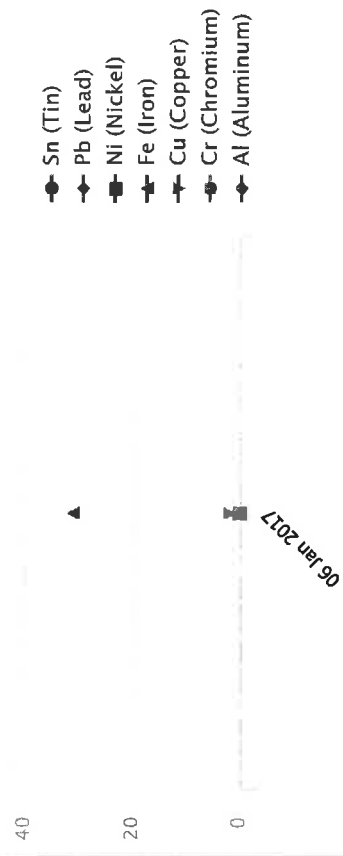
Report Status	Normal
Sample ID	17006141020
Tested Lubricant	MGEAR 600 XP 220
Sampled	06 Jan 2017
Completed	09 Jan 2017
Equipment Age	
Equipment UOM	
Oil Age	
Oil UOM	
Make-up Volume	
Volume UOM	
Oil Changed	
Filter Changed	
Contamination Rating	Normal
Equipment Rating	Normal

Viscosity

180.7 Visc@40C (cSt)



	Oxidation (Ab/cm)	0
	Visc@40C (cSt)	180.7
	Water (Hot Plate)	Not Detected
Wear (ppm)	Al (Aluminum)	0
	Cr (Chromium)	0
	Cu (Copper)	2
	Fe (Iron)	31
	Mo (Molybdenum)	0
	Ni (Nickel)	0
	Pb (Lead)	0
	Sn (Tin)	0
	B (Boron)	15
	K (Potassium)	0
Contaminant (ppm)	Na (Sodium)	0
	Si (Silicon)	0
	Ba (Barium)	0
	Ca (Calcium)	688
	Mg (Magnesium)	2
	P (Phosphorus)	303
	Zn (Zinc)	9
Additive (ppm)		



Contaminants



Physical Properties



Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

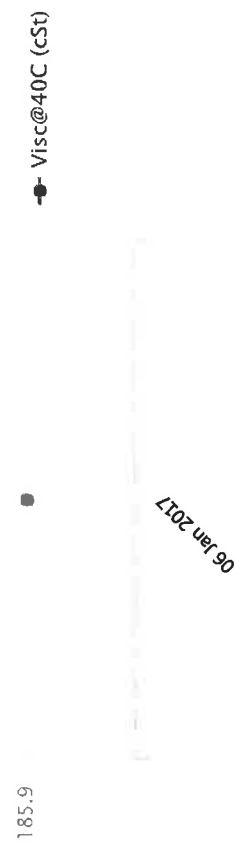
Sample ID: **17006141030** Unit ID: **GA 040**
 Tested Lubricant: **MGEAR 600 XP 220** Description: **#2 Fuel Rotary Feeder FCS-RTF-1026 (right side middle)**
 Sampled: **06 Jan 2017** Asset ID: **50069199**
 Completed: **09 Jan 2017**
 Asset Class: **Gear Drive**
 Manufacturer:
 Model:

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Normal
Sample ID	17006141030
Tested Lubricant	MGEAR 600 XP 220
Sampled	06 Jan 2017
Completed	09 Jan 2017
Equipment Age	
Equipment UOM	
Oil Age	
Oil UOM	
Make-up Volume	
Volume UOM	
Oil Changed	
Filter Changed	
Contamination Rating	Normal
Equipment Rating	Normal

Viscosity

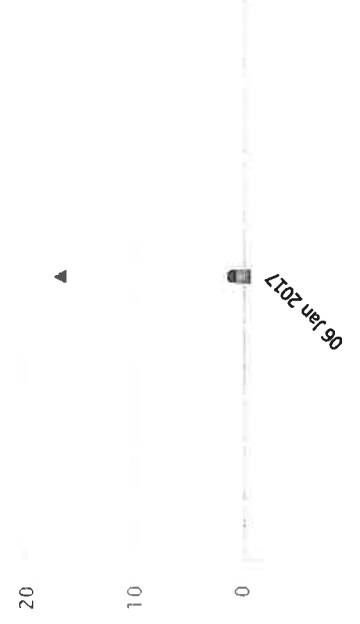


	Oxidation (Ab/cm)	0
	Visc@40C (cSt)	185.9
	Water (Hot Plate)	Not Detected
Wear (ppm)	Al (Aluminum)	0
	Cr (Chromium)	0
	Cu (Copper)	0
	Fe (Iron)	14
	Mo (Molybdenum)	0
	Ni (Nickel)	0
	Pb (Lead)	0
	Sn (Tin)	0
	B (Boron)	17
	K (Potassium)	0
Contaminant (ppm)	Na (Sodium)	0
	Si (Silicon)	1
	Ba (Barium)	0
	Ca (Calcium)	771
	Mg (Magnesium)	2
Additive (ppm)	P (Phosphorus)	302
	Zn (Zinc)	9

- ◆ Sn (Tin)
- ◆ Pb (Lead)
- ◆ Ni (Nickel)
- ◆ Fe (Iron)
- ◆ Cu (Copper)
- ◆ Cr (Chromium)
- ◆ Al (Aluminum)

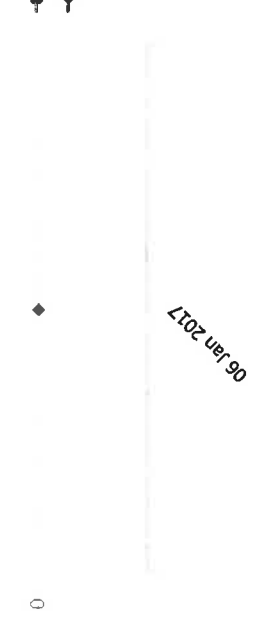


Contaminants



- ◆ Si (Silicon)
- ◆ K (Potassium)
- ◆ Na (Sodium)
- ◆ B (Boron)

Physical Properties



- ◆ Water (Hot Plate)
- ◆ Oxidation (Ab/cm)

06 Jan 2017

Account Information

Account Number: **318801**
 Account Name: **Gainesville Renewable Energy Center / POWER HOUSE**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17006141035**
 Tested Lubricant: **MGEAR 600 XP 220**
 Sampled: **06 Jan 2017**
 Completed: **09 Jan 2017**

Equipment Information

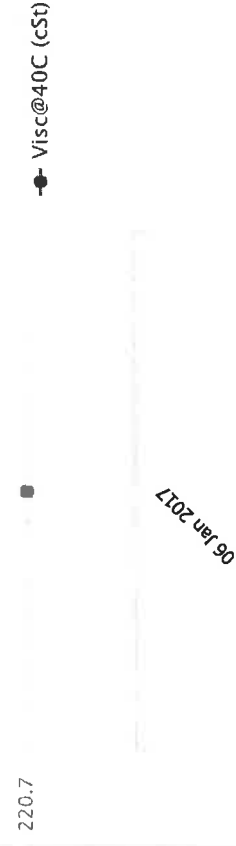
Unit ID: **GA 041**
 Description: **#3 Fuel Rotary Feeder FCS-RTF-1027 (right side south)**
 Asset ID: **50069200**
 Asset Class: **Gear Drive**
 Manufacturer:
 Model:

Recommendation/Comments: NO ACTION REQUIRED ON OIL OR EQUIPMENT. Results indicate that all levels are within acceptable ranges. Examine progressive changes and monitor results for changing trends. Sample at next scheduled interval. Contact your ExxonMobil representative for further assistance if necessary.

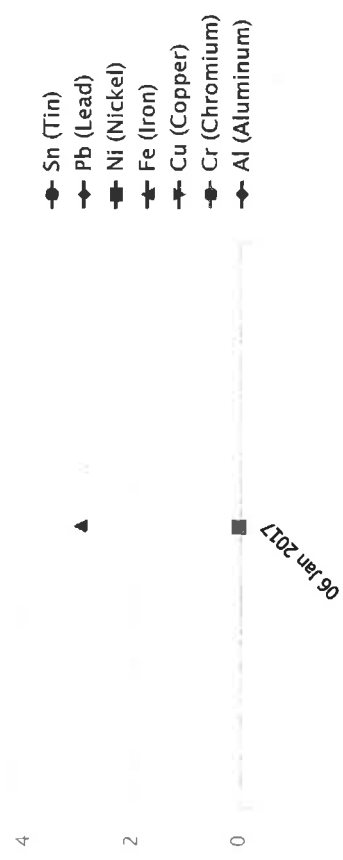
Sample Data & Trends

Report Status	Normal
Sample ID	17006141035
Tested Lubricant	MGEAR 600 XP 220
Sampled	06 Jan 2017
Completed	09 Jan 2017
Equipment Age	
Equipment UOM	
Oil Age	
Oil UOM	
Make-up Volume	
Volume UOM	
Oil Changed	
Filter Changed	
Contamination Rating	Normal
Equipment Rating	Normal

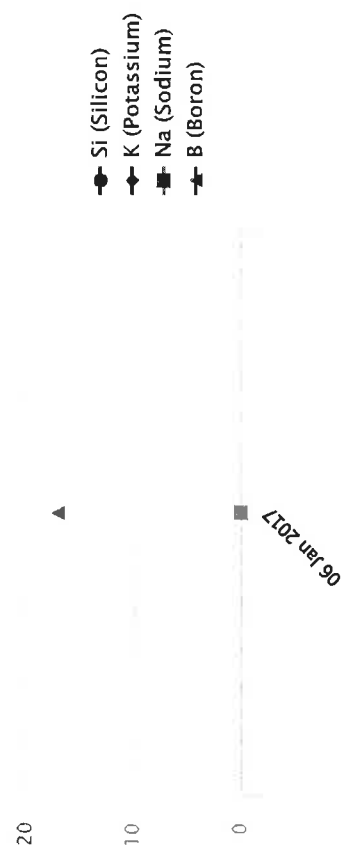
Viscosity



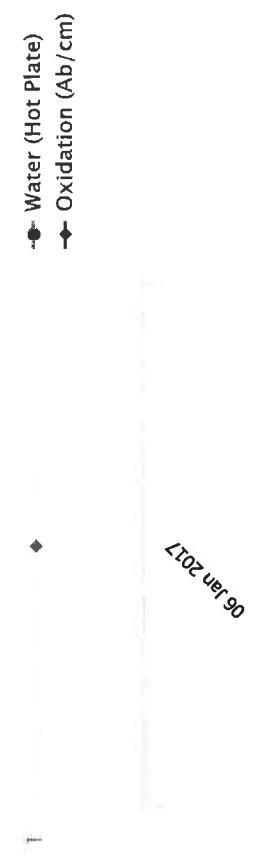
	Oxidation (Ab/cm)	1
	Visc@40C (cSt)	220.7
	Water (Hot Plate)	NotDetected
Wear (ppm)	Al (Aluminum)	0
	Cr (Chromium)	0
	Cu (Copper)	0
	Fe (Iron)	3
	Mo (Molybdenum)	0
	Ni (Nickel)	0
	Pb (Lead)	0
	Sn (Tin)	0
	B (Boron)	17
	K (Potassium)	0
Contaminant (ppm)	Na (Sodium)	0
	Si (Silicon)	0
	Ba (Barium)	0
	Ca (Calcium)	147
	Mg (Magnesium)	0
	P (Phosphorus)	280
	Zn (Zinc)	2
Additive (ppm)		



Contaminants



Physical Properties



- Sn (Tin)
- ▲ Pb (Lead)
- Ni (Nickel)
- ▲ Fe (Iron)
- ▲ Cu (Copper)
- Cr (Chromium)
- Al (Aluminum)
- Si (Silicon)
- ▲ K (Potassium)
- Na (Sodium)
- ▲ B (Boron)
- Water (Hot Plate)
- ▲ Oxidation (Ab/cm)

Account Information

Account Number: **318800**
 Account Name: **Gainesville Renewable Energy Center / FUEL YARD**
 Address: **11201 Nw 13th Street, Gainesville, FL 32653-0000 US**
 Telephone: **386-315-8024**
 Parent Account: **Gainesville Renewable Energy Center**

Sample Information

Sample ID: **17006248058**
 Tested Lubricant: **EXXON NUTO H 68**
 Sampled: **06 Jan 2017**
 Completed: **09 Jan 2017**

Equipment Information

Unit ID: **GA050**
 Description: **REMAN-WAGNER (ROLLING STOCK)**
 Asset ID: **50111751**
 Asset Class: **Hydraulic**
 Manufacturer: **WAGNER**
 Model:

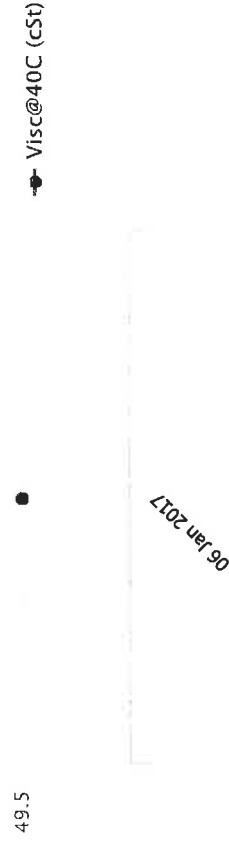
Recommendation/Comments: ACTION REQUIRED - REDUCED OIL VISCOSITY. Determine cause of reduced oil viscosity and take corrective action. Reduced viscosities can impair the lubricant's ability to protect the equipment. Possible causes of reduced viscosity include: a. Initial fill or contact with oil that has a lower viscosity; b. Contamination with a fuel or solvent; c. Incorrectly labeled sampled. Inspect the system for signs of fuel or coolant ingress. Resample the oil after corrective actions have been implemented. If the condition continues or escalates, recharge the system with new oil. Contact your ExxonMobil representative for further assistance if necessary. ACTION REQUIRED - UNSATISFACTORY OIL CONDITION. Test results indicate that the condition of this oil sample is unsatisfactory. The oil may be unfit for continued use and should be closely monitored further condition regressions. Contact your ExxonMobil representative for further assistance if necessary.

Sample Data & Trends

Report Status	Alert
Sample ID	17006248058
Tested Lubricant	EXXON NUTO H 68
Sampled	06 Jan 2017
Completed	09 Jan 2017
Equipment Age	
Equipment UOM	
Oil Age	
Oil UOM	
Make-up Volume	
Volume UOM	
Oil Changed	
Filter Changed	

Sample Info

Viscosity



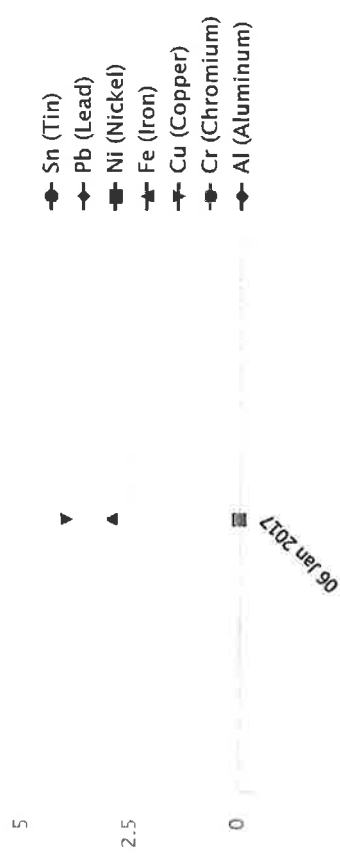
ALERT

Lubricant	Oil Rating	Alert
	Oxidation (Ab/cm)	2
	Visc@40C (cSt)	49.5
	Water (Hot Plate)	Not Detected
	Al (Aluminum)	0
	Cr (Chromium)	0
	Cu (Copper)	4
	Fe (Iron)	3
	Mo (Molybdenum)	3
	Ni (Nickel)	0
	Pb (Lead)	0
	Sn (Tin)	0
	B (Boron)	4
	K (Potassium)	0
	Na (Sodium)	1
	Si (Silicon)	0
	Ba (Barium)	0
	Ca (Calcium)	422
	Mg (Magnesium)	47
	P (Phosphorus)	694
	Zn (Zinc)	781

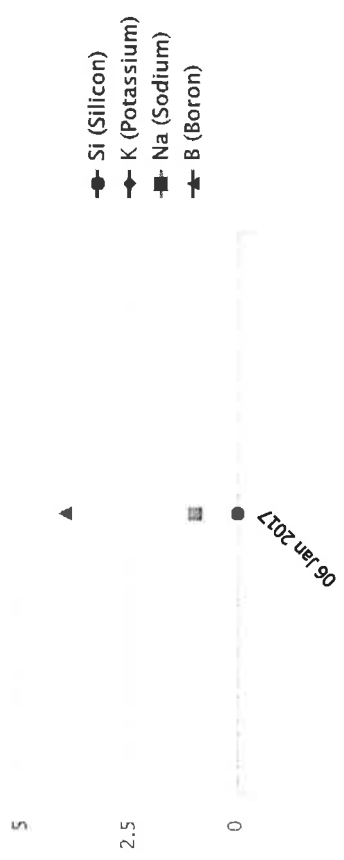
Wear (ppm)

Contaminant (ppm)

Additive (ppm)



Contaminants



Physical Properties

